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NEW FOR '53!

COMANCHE ▲

F₁ Hybrid. The hottest new Petunia in years! An extremely vigorous grower, free bloomer with rich deep scarlet-red flowers. Much more vigorous grower and brighter color than Fire Chief. See page 8.

POPCORN ➔

Would you like Snowstorm's huge white flowers on a truly dwarf, compact, yet vigorous plant? Try Popcorn, finest of all the whites. A Ball exclusive for '53. See page 5.



Geo. J. Ball
INC.

WEST CHICAGO

ILLINOIS

TO OUR CUSTOMERS:

This is our Spring 1953 seed catalog. We think it is the best catalog we've ever mailed you. The many years of painstaking effort by our own plant breeding staff as well as those the world over are represented in the many new and improved varieties we offer.

Care and thought in the choice of varieties you order can easily mean the difference between just a mediocre return for your work and investment and a nice profit. Thruout this catalog we have tried to properly and honestly evaluate the many varieties we offer from YOUR standpoint. We try to describe each variety so you can tell from our descriptions whether or not the variety is the best for *you* to grow.

Among the many new varieties offered, I would like to particularly commend to you the two new Petunias.

COMANCHE ALL-AMERICA SELECTION, a new F¹ Hybrid—truly the successor to Fire Chief, and POPCORN (A Ball Exclusive!), the long awaited dwarf, compact strain of the popular Snowstorm.

For bedding plant Snap sales try our new "Hit Parade," an outdoor strain of F¹ Hybrid Snaps. F¹'s are proving themselves definitely superior for outdoor bedding plant work.

Yours for "the best season yet!"

George H. Ball
President

Another Ball Service—Publications!

GROWER TALKS

An up-to-the minute digest of what's new and interesting in the business of growing flowers. Includes a complete review of cultural problems of current interest each month.

Price: 90c for 1 year; 3 years for \$2.50.

BALL RED BOOK

NEW EDITION!

Enlarged and completely revised. Includes complete cultural information on all major cut flower and potted plant crops, including year 'round Mums. Cloth-bound—a fine reference book written in the "florists' language" by members of our firm. \$1.50.

We will sell to anyone who grows or sells flowers for a living—to no others. This is not only in keeping with our aim to specialize and thereby to excel, but also we are not licensed to sell at retail.



A "Check List" of our 19 most significant

New Varieties for 1953

Here's a very brief description of 19 fine 1953 introductions. Give the list the "once-over," keeping in mind the **IMPORTANCE OF GOOD NEW VARIETIES** in your line. Check those you're interested in and use this list in making up your order.

Petunias

- ☐ **Comanche. An F₁ Hybrid.** (Pictured on front cover.) This is the new scarlet-red which won an All America award last year. Comanche is exceptionally vigorous and free flowering, yet compact in habit. The color is a much more deep and intense scarlet-red than Fire Chief and much stronger growing as well. $\frac{1}{2}$ tr. pkt., **\$1.25**; tr. pkt., **\$2.00**; $\frac{1}{128}$ oz., **\$4.00**; $\frac{1}{64}$ oz., **\$7.25**; $\frac{1}{32}$ oz., **\$13.00**.
- ☐ **Popcorn.** Looking for a large flowered white Petunia which remains **really dwarf** and compact in habit? Popcorn has all the fine qualities of Snowstorm and a really super-dwarf habit, too. $\frac{1}{2}$ tr. pkt., **\$1.00**; tr. pkt., **\$1.75**; $\frac{1}{64}$ oz., **\$3.30**; $\frac{1}{32}$ oz., **\$6.00**; $\frac{1}{16}$ oz., **\$11.00**.
- ☐ **Carosel.** A lovely bright purple and white variegated Grandiflora Petunia which attracted much favorable interest in our trials last year. $\frac{1}{2}$ tr. pkt., **\$1.00**; tr. pkt., **\$1.75**; $\frac{1}{64}$ oz., **\$3.30**; $\frac{1}{32}$ oz., **\$6.00**; $\frac{1}{16}$ oz., **\$11.00**.
- ☐ **Robin.** Bright rose with white throat—striking. Most useful because of dwarf compact habit. $\frac{1}{2}$ tr. pkt., **85c**; tr. pkt., **\$1.50**; $\frac{1}{64}$ oz., **\$3.50**; $\frac{1}{32}$ oz., **\$6.00**.
- ☐ **Linda.** Somewhat more dwarf and a shade lighter than the well-known F₁ Hybrid bedding Petunia, Silver Medal and a definite improvement over that variety. $\frac{1}{2}$ tr. pkt., **\$1.25**; tr. pkt., **\$2.00**; $\frac{1}{128}$ oz., **\$4.00**; $\frac{1}{64}$ oz., **\$7.25**; $\frac{1}{32}$ oz., **\$13.00**.
- ☐ **Lipstick.** A shade between Glow and Topaz Queen. Will be extensively publicized this year in garden magazines. Tr. pkt., **50c**; $\frac{1}{16}$ oz., **\$1.65**; $\frac{1}{8}$ oz., **\$2.90**; $\frac{1}{4}$ oz., **\$5.00**.

Stocks

- ☐ **Pacific Pink.** You've got to see this Stock color to believe it! The first really new Stock color in many years. A clear, warm, luminous pink with no bluish or lavender tint such as seen in No. 22. Similar in all other respects to Ball type Column Stocks. See it in color on page 41. $\frac{1}{2}$ tr. pkt., **\$1.00**; tr. pkt., **\$1.75**; $\frac{1}{8}$ oz., **\$3.30**; $\frac{1}{4}$ oz., **\$6.00**; $\frac{1}{2}$ oz., **\$10.00**; 1 oz., **\$18.00**.
- ☐ **Trysomic Mix.** Here is a most important advance toward the goal of 100% double Stocks. This strain is guaranteed 85% or more double flowered. Please note that this strain is of the Giant Imperial (Branching) type. $\frac{1}{2}$ tr. pkt., **\$1.00**; tr. pkt., **\$1.75**; $\frac{1}{8}$ oz., **\$2.90**; $\frac{1}{4}$ oz., **\$5.00**.

Asters

- ☐ **Rose Ball.** A new Ball Aster, comparable to the fully double, large flowered, long-stemmed White and Pink which we have introduced in the past two years. This is an extra-large flowered, fully double, lovely incurved Aster which is possibly the finest of our post-war Aster introductions. Excellent for bedding plant sales. Pictured on page 12. Tr. pkts. only, **\$1.75**. Limit, 2 tr. pkts.
- ☐ **Azure Ball.** Another fine addition to the new "Ball Series." Fully as double as Rose Ball, large flowered and long stemmed, and in every way an exceptional cut flower Aster. Also good for bedding. Pictured on page 12. Tr. pkt., **\$1.75**; $\frac{1}{4}$ oz., **\$3.20**; 1 oz., **\$9.60**.
- Burpeeana.** Extra early bedding type mixture which flowered in our trials in late July. Large, fluffy, Crego-type flowers on 18-inch stems. Tr. pkt., **\$1.50**.

Alyssum

- **Royal Carpet.** ALL-AMERICA SELECTION Top award, 1953. A carpet-like, procumbent, purple Alyssum which is very distinctive, and which will be heavily publicized in garden magazines this year. See photo on page 11. Tr. pkt., **50c**; $\frac{1}{8}$ oz., **\$1.25**; $\frac{1}{4}$ oz., **\$2.25**; 1 oz., **\$7.00**.

Snapdragons

- ☐ **Hit Parade. An F₁ Hybrid Formula Mix.** The finest all-purpose bedding Snap mixture we've seen. Earlier by weeks than other bedding Snaps; pure bright colors; long graceful stems and spikes, and free branching habit. The ideal bedding Snap. Tr. pkt., **\$1.00**; $\frac{1}{32}$ oz., **\$2.50**; $\frac{1}{16}$ oz., **\$4.50**; $\frac{1}{8}$ oz., **\$8.00**; $\frac{1}{4}$ oz., **\$15.00**.

Mentioning Also . . .

Didiscus **White**, a new color in the popular "filler." Tr. pkt., **35c**; $\frac{1}{4}$ oz., **\$1.00**; 1 oz., **\$3.00**. . . Impatiens **Autumn Glow**, a dwarf scarlet. Tr. pkt., **\$1.50**; $\frac{1}{32}$ oz., **\$3.00**; $\frac{1}{16}$ oz., **\$5.75**. . . Marigold **Rusty Red**. A new shade in the Dwarf French class. Tr. pkt., **50c**; $\frac{1}{4}$ oz., **\$1.50**; 1 oz., **\$4.50**. . . Snapdragon F₁ Hybrids for bedding, **Temptation**, maroon-red, and **Memory**, tall, early blooming pink. Each: tr. pkt., **\$1.00**; $\frac{1}{32}$ oz., **\$2.50**; $\frac{1}{16}$ oz., **\$4.50**; $\frac{1}{8}$ oz., **\$8.00**; $\frac{1}{4}$ oz., **\$15.00**. . . Verbena **Sparkle**, red with white eye; Compacta class. Tr. pkt., **75c**; $\frac{1}{4}$ oz., **\$2.00**; 1 oz., **\$6.00**.

Ball All-Double Petunias



CANADIAN QUEEN

For a light rose-pink, uniform fine habit, large, fully double flowers delicately fringed, you can't beat Canadian Queen.

Versatile Double Petunias

Sell out of pots—3's and 4's and even 5's finished sell on sight. The recommended new strains are dwarf, compact, branching, which gives them ideal pot plant habit. Sow in December for 4's for April and May. For larger sizes sow late November. Need good drainage, cool temperatures.

Use in combinations—pots or boxes. A late December or early January sowing will give lovely 3's for use in combinations for Mother's Day.

Note: Read variety descriptions carefully. For super-dwarf strains try Pink Perfection and Gaiety. All others have satisfactory dwarf habit **except** Sonata, Minuet, Burpee Orchid, and several Victorious strains which need a pinch to produce ideal potted plant habit. Ample spacing builds quality and desirable growth habit into any plant—double Petunias included.

● BALL ALL-DOUBLE MIXTURE (Formula Mixture)

We've added sufficient quantities of separate color white, salmon and blue All-Double varieties to our already well known Canadian mixture to insure a complete and well-balanced formula mixture of **all colors. Our finest mixture.** ½ tr. pkt., \$2.50; tr. pkt., \$4.00; 1/128 oz., \$7.60; 1/64 oz., \$14.45; 1/32 oz., \$28.00.

CANADIAN STRAINS

MIXTURES

- **Canadian Mixture, Improved.** Basically improved by the addition of more fine rose, pink and salmon shades. ½ tr. pkt., \$2.00; tr. pkt., \$3.50; 1/128 oz., \$6.65; 1/64 oz., \$12.60; 1/32 oz., \$24.00.

Colossal Shades of Rose, Imp. The largest flowered All-Double Petunia. Shades of pink and salmon-rose. ½ tr. pkt., \$1.75; tr. pkt., \$3.00; 1/128 oz., \$6.50; 1/64 oz., \$11.75; 1/32 oz., \$22.00.

SEPARATE COLORS

- **Canadian Queen.** Pictured above. A very fine, true pink double, somewhat lighter than Rose of Canada. The large, well ruffled flowers are carried nicely above the compact, bushy plants. A first class all-around double Petunia. ½ tr. pkt., \$2.75; tr. pkt., \$4.50; 1/128 oz., \$8.50; 1/64 oz., \$16.00.

America. Medium sized bright rose flowers very freely produced on a medium tall plant. If pinched once will produce a very nice pot plant. ½ tr. pkt., \$1.35; tr. pkt., \$2.50; 1/128 oz., \$4.50; 1/64 oz., \$8.00; 1/32 oz., \$14.50.

- **Northern Lights.** Most plants are a deep rose—deeper than Rose of Canada—with some medium pink shades present. Typically fine Canadian habit of growth.

Black Prince. A bright Burgundy wine color. Flowers are only medium in size, but freely produced.

- **Rose of Canada.** Fully double, bright medium rose flowers about 3 inches across are freely produced on compact, bushy plants.

Prices above 3, each: ½ tr. pkt., \$2.00; tr. pkt., \$3.50; 1/128 oz., \$6.65; 1/64 oz., \$12.60; 1/32 oz., \$24.00.

Burpee Orchid. According to our observations this is the most suitable of the orchid or lavender doubles for pot use. This is not a Canadian All-Double. ½ tr. pkt., \$2.75; tr. pkt., \$4.50; 1/128 oz., \$8.50; 1/64 oz., \$16.00.

for Bedding, Pots, or Combinations

GLORIOUS (Pan-American) STRAINS

- **Allegro.** (Pictured at right). Medium to large, fully double flowers of clear, bright salmon are carried on fairly dwarf plants. An attractive color in the All-Doubles and the finest in its color class. $\frac{1}{2}$ tr. pkt., \$2.75; tr. pkt., \$4.50; $\frac{1}{128}$ oz., \$8.50; $\frac{1}{64}$ oz., \$16.00.

- **Caprice.** Medium sized rose-pink flowers are carried on fairly dwarf plants.
- **Sonata.** Extra large, fully double, pure white flowers. Not as compact in growth as some varieties; should be pinched to induce branching.
- **Minuet.** Medium sized lavender. Tall; should be pinched.
- **Nocturne.** Semi-double, deep Elk's Pride purple. The medium large flowers are borne on vigorous, but compact plants.

Prices above 4, each: $\frac{1}{2}$ tr. pkt., \$2.75; tr. pkt., \$4.50; $\frac{1}{128}$ oz., \$8.50; $\frac{1}{64}$ oz., \$16.00.

Glorious Mixture. Contains both tall and dwarf types in all Pan-American colors. In transplanting, be sure to use both large and small seedlings, thus insuring a complete range of colors. $\frac{1}{2}$ tr. pkt., \$2.25; tr. pkt., \$4.00; $\frac{1}{128}$ oz., \$7.60; $\frac{1}{64}$ oz., \$14.45; $\frac{1}{32}$ oz., \$28.00.

↓ **GAITY** (Below)
The dwarfest double variety which we offer—and one of the finest on our list.



ALLEGRO
Ever-increasing in popularity because of its deep, bright, salmon color—pleasant and distinctive among doubles.

VICTORIOUS (Japanese) STRAINS

- **Gaiety**—and well-named as the illustration at left clearly indicates. The blotched or variegated flowers combine bright rose-pink with contrasting pure white to produce the "Strawberries in cream" effect. The blooms are medium large, well-doubled and fringed, and are carried on dwarf, base-branching plants—qualities which go to make an excellent Petunia for pots. The most popular Victorious variety. $\frac{1}{2}$ tr. pkt., \$2.25; tr. pkt., \$4.00; $\frac{1}{128}$ oz., \$7.00; $\frac{1}{64}$ oz., \$12.50; $\frac{1}{32}$ oz., \$23.00.

Illumination. The deepest rose in double Petunias; flowers inclined toward small side.

Mayflower. Red veins on white.

Orchid Beauty, Improved. Orchid, heavily veined deep violet.

Fantasy (Purple and white). Variegated and striped purple and white. Very dwarf.

Prima Donna (Orange). Deep salmon with some lighter colored.

Prices above 5, each: $\frac{1}{2}$ tr. pkt., \$2.50; tr. pkt., \$4.50; $\frac{1}{128}$ oz., \$8.50.

Attraction. Striking, brightly colored rose and white mottled. Medium habit.

- **Pink Perfection** (World Beauty). Deep rose color and uniformly dwarf growth.

Snowball. Well fringed clear white flowers. About 30% small flowered in our summer '52 trials; balance ideal.

Blue Brocade. Elk's Pride purple.

Victorious Mixture. We blend this mixture ourselves from the above varieties. We do not handle the regular mixture.

Prices above 5, each: $\frac{1}{2}$ tr. pkt., \$2.50; tr. pkt., \$4.50; $\frac{1}{128}$ oz., \$7.00; $\frac{1}{64}$ oz., \$12.50; $\frac{1}{32}$ oz., \$23.00.

Feature Double Petunias in your own plantings around your place—your customers will want them, too.



Orchid

Rose - Red

Rose and White

BALL DWARF GIANTS NO. 1

Three representative blooms from our Ball Dwarf Giant No. 1 Mixture. These 3 colors can also be ordered separately. See box at left, below.

California Giant Petunias

BALL DWARF GIANT No. 1—For Pots

● **Ball Dwarf Giant No. 1—For Pots.** The extra dwarf and early blooming strain. The three plants pictured above (in 3-inch pots) are representative of the fine dwarf habit, huge open flowers and remarkable colors in this premium strain. Annual greenhouse pot trials in competition with other leading strains have convinced us of its real superiority. By actual count it dependably produces between 85 and 90% extra large, open-throated flowers on true dwarf plants. At its very best in a 3 or 4-inch pot. For bedding, we recommend Ball Dwarf Giant No. 2 because of its more vigorous growth. $\frac{1}{2}$ tr. pkt., \$1.00; tr. pkt., \$1.75; $\frac{1}{64}$ oz., \$2.75; $\frac{1}{32}$ oz., \$5.00; $\frac{1}{16}$ oz., \$9.50.

Separate Colors Out of Dwarf Giants No. 1

Averaging 80-90% true-to-color, the above pictured three varieties are now available separately.

Orchid	Rose-red	Rose and white
$\frac{1}{2}$ tr. pkt., \$1.00;	tr. pkt., \$1.75;	$\frac{1}{64}$ oz., \$2.75;
$\frac{1}{32}$ oz., \$5.00;	$\frac{1}{16}$ oz., \$9.50.	

● **Ball Dwarf Giant No. 2—For Bedding.** An improved strain with a much greater color range, including pink. More vigorous than our No. 1 strain, therefore better suited for outdoor bedding work. Not recommended for pot plants. $\frac{1}{2}$ tr. pkt., 85c; tr. pkt., \$1.50; $\frac{1}{64}$ oz., \$2.30; $\frac{1}{32}$ oz., \$4.15; $\frac{1}{16}$ oz., \$7.15.

Ramona. Large, open throated flowers about half rose, balance pink and lavender. 95% large flowered. Bred especially for pots and combinations. $\frac{1}{2}$ tr. pkt., 75c; tr. pkt., \$1.25; $\frac{1}{64}$ oz., \$2.00; $\frac{1}{32}$ oz., \$3.25; $\frac{1}{16}$ oz., \$5.75.

California Giants Mixture No. 5. A very complete and attractive mixture of colors in the tall Giant class. Free flowering for bedding. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.35; $\frac{1}{32}$ oz., \$2.50.

Equally at home as pot plants, in combinations of all sorts, and planted out in beds, California Giant Petunias never fail to draw the interest of Petunia buyers. Our finest strain, for early blooming and dwarf habit with extra large flowers, is Ball Dwarf Giant No. 1. Our other listings are most suitable for bedding, and are O. K. for combinations if a little extra height is desirable.

California Giants—Supreme Florists' Strain. Fine bedding mixture in soft shades of pink, rose and salmon. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.00; $\frac{1}{16}$ oz., \$5.50.

Garden Giants. Medium to large in flower size, but between the tall and the dwarf classes in height. For bedding. $\frac{1}{2}$ tr. pkt., 60c; tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.25; $\frac{1}{32}$ oz., \$4.00.

● **Giant Rainbow Strain.** Excellent mixture. $\frac{1}{2}$ tr. pkt., 65c; tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$1.85; $\frac{1}{32}$ oz., \$3.25; $\frac{1}{16}$ oz., \$5.75.

SEPARATE COLOR VARIETIES

● **Ball Lavender Giant.** A pleasing soft lavender with darker veins; dwarf growth. $\frac{1}{2}$ tr. pkt., 75c; tr. pkt., \$1.25; $\frac{1}{64}$ oz., \$2.40; $\frac{1}{32}$ oz., \$4.40.

● **White Giant.** Pure white petals with yellow throat. This is a definite improvement on the old Rheingold. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.35; $\frac{1}{32}$ oz., \$2.50.

● **Copper Red, Dark.** Attractive deep coppery crimson. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.00.

● **Glamour.** A beautiful rich salmon-rose, shading lighter toward the throat. Tr. pkt., 85c; $\frac{1}{64}$ oz., \$2.00; $\frac{1}{32}$ oz., \$3.75.

● **Irene.** Carmine-red; white netted throat. Tr. pkt., 85c; $\frac{1}{64}$ oz., \$1.50; $\frac{1}{32}$ oz., \$2.50.

Prince of Wuertemberg. Deep reddish rose; dark throat. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.35; $\frac{1}{32}$ oz., \$2.50.

Princess of Wuertemberg. Light rose-pink; veined dark throat. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.35; $\frac{1}{32}$ oz., \$2.50.

Ball Grandiflora (Large Flowered) Petunias

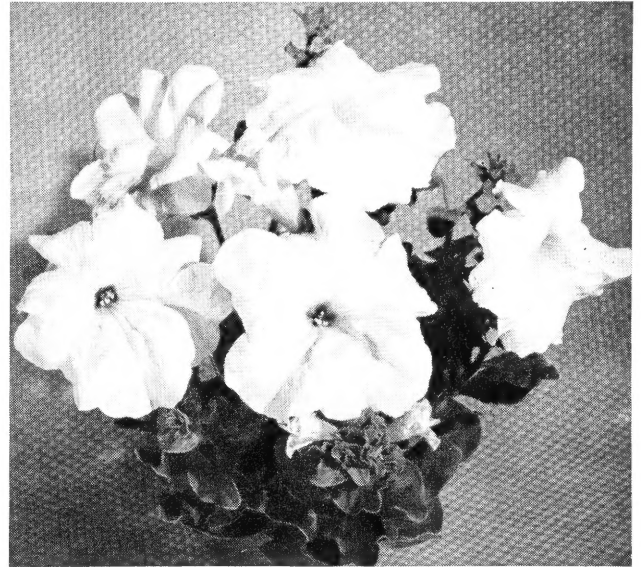
There are three distinct classes of Grandifloras: the Ruffled, the Fringed, and the Dwarf. Like all Petunias, the most vigorous are the tall ones. The Dwarf Grandifloras make ideal pot plants, but for bedding most of them do not hold up where summers are very warm.

RUFFLED GRANDIFLORAS

- **Popcorn** (New). Our finest white. See picture at right.
1/2 tr. pkt., \$1.00; tr. pkt., \$1.75; 1/64 oz., \$3.30;
1/32 oz., \$6.00; 1/16 oz., \$11.00.
- **White Queen**. Extra large, wavy, pure white flowers and vigorous growth make this a truly outstanding Petunia. Fine for bedding or pot plant use.
- **Snowstorm**. Fine, large flowered white. Similar to White Queen. Makes a nice pot plant.
- **Elk's Pride Dwarf**. Our strain of this always popular, rich velvety purple is admirably suited for bedding or porch boxes. Uniform in growth and a ready seller.
Prices above 3, each: tr. pkt., 85c; 1/64 oz., \$1.90; 1/32 oz., \$3.40; 1/16 oz., \$5.75.
Summer Night. Elk's Pride color but much more bushy and compact than the variety Elk's Pride. Blooms with doubles. Tr. pkt., \$1.00; 1/64 oz., \$2.25; 1/32 oz., \$4.00; 1/16 oz., \$7.50.
- **Robin** (New) Bred especially for use in pots or for combinations, but equally at home as a border plant. Plants are dwarf and compact, carrying their medium sized, ruffled flowers of rich, bright rose with white throats well above the foliage. 1/2 tr. pkt., 85c; tr. pkt., \$1.50; 1/64 oz., \$3.50; 1/32 oz., \$6.00.
- **White Cloud**. We offer the originator's strain.
Burgundy. Dark burgundy wine-red with large white throat.
Dwarf Pink Glory. Glowing carmine-rose with white throat. About 75% large flowered.
- **Giant Flaming Velvet**. Large, ruffled, mahogany-red flowers and fairly compact growth make this an attractive variety.
Royalty. Large ruffled flowers in combinations of purple and white.
Prices above 5, each: tr. pkt., 85c; 1/64 oz., \$1.90; 1/32 oz., \$3.40; 1/16 oz., \$5.75.

FRINGED GRANDIFLORAS

- **Dainty Lady**. A light cream. The nearest approach to a yellow Petunia. Tr. pkt., 60c; 1/64 oz., \$1.50; 1/32 oz., \$2.75.
- **Dazzler**. Free flowering, deep carmine-rose; fairly well fringed and very showy. Extra early and dwarf. This is a fine pot plant variety. Tr. pkt., 60c; 1/64 oz., \$1.50; 1/32 oz., \$2.75.
Fluffy Ruffles. An attractive fringed mixture for bedding work. Tr. pkt., 50c; 1/32 oz., \$1.75; 1/16 oz., \$3.00; 1/8 oz., \$5.50.
- **Fringed Snowstorm**. Nicely fringed, pure white flowers with faint gold throat are very freely produced. One of the finest for either pots or bedding. 1/2 tr. pkt., 65c; tr. pkt., \$1.00; 1/64 oz., \$2.35; 1/32 oz., \$3.75; 1/16 oz., \$6.75.
Gaiety. Medium sized, fringed flowers irregularly marked rose-pink and white. A showy bedding variety, vigorous in growth but dwarf and spreading in habit. Tr. pkt., 75c; 1/64 oz., \$1.75; 1/32 oz., \$3.00.
- **Golden Jubilee**. Heavily fringed, bright carmine-rose with golden throat. Tr. pkt., 50c; 1/64 oz., \$1.65; 1/32 oz., \$3.00.



POPCORN—

A Super-Dwarf Grandiflora White A Ball Exclusive for '53

Popcorn (New). If you like Snowstorm or White Queen for flower size, but find it a bit tall for certain uses here is the answer—a really dwarf, large flowered white. Picture the huge glistening white flowers of Snowstorm or White Queen carried on low-growing, upright plants and you have our new Popcorn. Makes a wonderful plant for pots or combinations, and is equally at home for bedding. **A Ball exclusive for 1953.**
1/2 tr. pkt., \$1.00; tr. pkt., \$1.75; 1/64 oz., \$3.30; 1/32 oz., \$6.00; 1/16 oz., \$11.00.

- **Ruffled Grandiflora Mixture**. Formula mixture. Tr. pkt., 60c; 1/64 oz., \$1.50; 1/32 oz., \$2.75; 1/16 oz., \$5.00.

- **White Mound**. Uniform, compact growth with medium sized, white flowers. Tr. pkt., 75c; 1/64 oz., \$1.75; 1/32 oz., \$3.00.
- **Light Blue**. Campanula-blue, with dark veins and purple throat. Nicely fringed.
- **Pink Triumph**. Choice clear rose-pink. Fine bedder.
- **Royal Purple**. Velvety purple with attractively fringed petals.
- **Salmonet** (New). Nicely fringed flowers of luminous, clear salmon are liberally borne on plants sufficiently dwarf for pot plants, yet vigorous enough for bedding. Unusually attractive.
- **Theodosia Improved**. Extra large, heavily fringed flowers of brilliant glowing rose with contrasting golden yellow throat. An excellent, vigorous growing Petunia for bedding.
- **White Beauty**. A strong grower with flowers of finely fringed pure white.
Prices above 6, each: tr. pkt., 60c; 1/64 oz., \$1.50; 1/32 oz., \$2.75.
- **Fringed Grandiflora Mixture**. A high-class mixture made up of the best named varieties in the Fringed class. Tr. pkt., 50c; 1/32 oz., \$1.85; 1/16 oz., \$3.50.

Dwarf Grandiflora Petunias

(Dwarf Erfurts)



LITTLE GIANTS

- **Little Giants Mixed.** Small, ruffled California Giant type flowers are freely produced on low growing, uniform plants. Ideal for pots and combination work as well as bedding. Colors range from amaranth-red through rose and pink to white. Tr. pkt., 75c; 1/64 oz., \$1.50; 1/32 oz., \$2.75; 1/16 oz., \$5.00.
- Little Giants, Pink Shades.** Same habit as Little Giants Mixed but in various shades of pink. Tr. pkt., \$1.00; 1/64 oz., \$1.75; 1/32 oz., \$3.00; 1/16 oz., \$5.50.
- **Ball Fringed Violet-Blue.** Deep violet-blue on compact, bushy plants. Tr. pkt., 75c; 1/64 oz., \$1.65; 1/32 oz., \$3.00.

Carosel (New). A lovely bright purple and white variegated Dwarf Grandiflora which attracted much favorable interest in our trials. 1/2 tr. pkt., \$1.00; tr. pkt., \$1.75; 1/64 oz., \$3.30; 1/32 oz., \$6.00; 1/16 oz., \$11.00.

- **Carmencita.** Makes a nice pot plant. Medium size. Well-fringed, bright salmon-red flowers on dwarf, compact plants. 1/2 tr. pkt., 85c; tr. pkt., \$1.50; 1/64 oz., \$3.50; 1/32 oz., \$6.00.

- **Lace Veil.** Pure white flowers. Habit similar to Setting Sun.

Setting Sun. Fringed deep rose; rather uneven growth. We greatly prefer Bolero for its superior habit and uniformity.

Prices above 2, each: tr. pkt., 85c; 1/64 oz., \$2.00; 1/32 oz., \$3.50.

- **Rosita.** Large, heavily ruffled and fringed flowers of bright rose-pink with netted throats are carried erectly on compact plants. An outstanding pot plant Petunia. 1/2 tr. pkt., 85c; tr. pkt., \$1.50; 1/64 oz., \$3.50; 1/32 oz., \$6.00.

Colorado Sunset. Medium to light rose-pink. Extra dwarf and restricted; a nice pot plant subject. Uniform and free flowering. 1/2 tr. pkt., 85c; tr. pkt., \$1.50; 1/64 oz., \$3.50; 1/32 oz., \$6.00.

Martha Washington. Ruffled lavender-pink flowers; veined throat. Tr. pkt., 75c; 1/32 oz., \$1.50; 1/16 oz., \$2.75.

- **Dwarf Erfurt Mixture.** A formula mixture of Dwarf fringed varieties. Tr. pkt., 75c; 1/64 oz., \$1.75; 1/32 oz., \$3.00.

TALL HYBRIDAS

Taller and stronger growers than the Dwarf class. Well suited for bedding, especially where heat and drought prevail.

General Dodds. Deep amaranth-red. Tr. pkt., 50c; 1/4 oz., \$1.00; 1 oz., \$3.25.

- **Howard's Star Imp.** Medium tall, velvety crimson with large white star in each flower. Our strain comes quite true to the starred type. Tr. pkt., 75c; 1/4 oz., \$1.50; 1 oz., \$5.50.

Mars. Rich, velvety red, similar to Balcony Black Prince. Tr. pkt., 60c; 1/4 oz., \$1.50; 1 oz., \$5.25.

Topaz Rose. Brilliant deep rose; about same color as Topaz Queen. Tr. pkt., 50c; 1/4 oz., \$1.00; 1 oz., \$3.50.

White. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75.

Exquisite Mixture. Formula mixture; fine large-flowered varieties predominating. Tr. pkt., 30c; 1/4 oz., 75c; 1 oz., \$2.75.

THE BALCONIES

The growth of Balconies is strong and tends to lengthen, making them suitable for window boxes, combinations or bedding.

- **Black Prince.** Deep velvety crimson-red. Tr. pkt., 40c; 1/16 oz., 65c; 1/8 oz., \$1.15; 1/4 oz., \$2.00; 1 oz., \$6.75.

- **Blue.** A medium violet-blue. Tr. pkt., 35c; 1/8 oz., 90c; 1/4 oz., \$1.65; 1 oz., \$5.00.

White Crimson Royal Rose Mixture

Prices above 4, each: tr. pkt., 40c; 1/8 oz., 80c; 1/4 oz., \$1.50; 1 oz., \$4.75.

DIENER'S VARIETIES

We supply originator's packets only on the following:

- No. 8 Ruffled Monsters Mixed.** Tr. pkt., 50c; 1/64 oz., \$2.50.
- No. 11 Blue.** Violet-blue. Tr. pkt., 25c; 1/64 oz., \$1.50.
- No. 47 Jumbo Mixture.** A mixture of Giants. Tr. pkt., \$1.00.

Flower Seed Mixture

CRAZY QUILT

Half Tall Annuals Mixed

A formula mixture of half tall annuals. Over 50 different varieties, blended for continuous blooming thruout the summer.

1 oz., 30c; 4 ozs., 95c;

1 lb., \$2.80.

LITHOGRAPHED RETAIL or PREMIUM PACKETS. 1000 packets printed with your name for \$38.00. (No discount or return. No orders for less than 1000).



F₁ HYBRID "TANGO" ↑

F₁ (Genuine) Hybrid Grandifloras

Know why nearly every farmer in the corn belt today grows Hybrid corn instead of the kind his Dad grew? More bushels per acre—based on greater vigor and uniformity. What's all this got to do with Hybrid Petunias? Simply this—the same qualities of greater uniformity, vigor and productiveness in a Petunia mean a bigger, more rapidly growing plant with many more flowers in bloom at one time, and plants alike as "Peas in a pod." In other words—a lot bigger show per plant, a factor which really means something to your customers.

The four following Fringed Grandiflora Petunias are Hybrids and are deserving of a trial on your place.

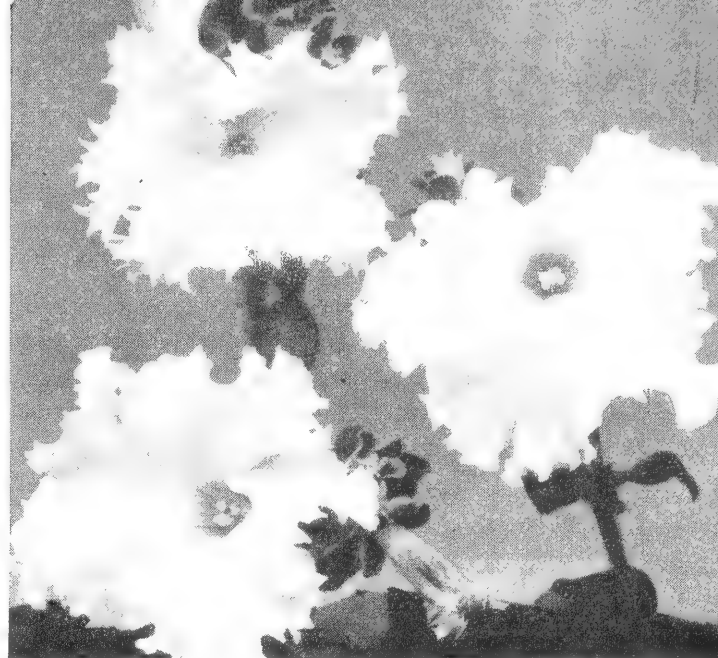
● **Ballerina** ALL-AMERICA SELECTION (New—pictured at right). A completely new color in fringed grandiflora Petunias. Extra large frilled flowers of clear, intense salmon that hold their color well under summer sun. A lighter color than Tango, but equally effective. Plants are very vigorous and free branching, and bloom profusely. We considered this the best clear salmon Petunia in our trial ground last summer.

● **Tango.** (Photo above.) Picture a bushy plant with luxurious deep green foliage against which the large, bright salmon-scarlet flowers literally stand out like flares—there you have Tango. Flowers are moderately fringed and ruffled, and are freely produced. Makes a fine pot plant, and is equally good for bedding.

● **Bolero.** (Photo at right.) An extra compact, early and free flowering Petunia. Its fringed deep rose flowers are about the color of Setting Sun. Makes a first class pot plant and is valuable for bedding.

● **La Paloma** (Pictured above, right). Large, well fringed flowers of purest white with yellow throat and remarkable vigor are the outstanding points about this fine Hybrid Petunia. As observed in our trials this is the finest fringed white bedding variety available today. Plants are well branched, and make a satisfactory pot variety if grown cool to restrict growth some.

Prices above 4, each: ½ tr. pkt., \$1.35; tr. pkt., \$2.50; ¼₂₈ oz., \$4.50; ⅓₆₄ oz., \$8.00.



↑ F₁ HYBRID "LA PALOMA"



F₁ HYBRID "BALLERINA" ↑

↓ F₁ HYBRID "BOLERO"





SILVER MEDAL

A lovely clear salmon-rose—well known as an All-America winner.



PINK SENSATION (above)

Probably the most profuse blooming, fastest growing Petunia we have ever observed. A clear pink.

ROSE CHARM (below)

It's hard to reproduce in print the bright, luminous rose shade of this fine Petunia. Very even habit; ideal for bedding and mass planting.



COMANCHE

"Successor to Fire Chief"

F₁ (Genuine) Hybrid Petunias FOR BEDDING

Here is a real "extra value" in bedding Petunias which you can offer your customers at very little extra cost to you. These Hybrids are clearly **more vigorous, more uniform, and brighter, stronger colored** than their counterpart colors in the line-bred varieties. You will have no difficulty in selling out completely these fine strains, as their superiority is easily recognized in the early stages of growth.

● COMANCHE—"Successor to Fire Chief" ALL-AMERICA SELECTION

(New—pictured above). A brilliant scarlet-crimson, deeper and more intense than Fire Chief, and with larger flowers produced in great abundance on vigorous, fast growing plants. This is the finest red bedding Petunia we have ever seen. A "must" on your list! ½ tr. pkt., **\$1.25**; tr. pkt., **\$2.00**; 1/128 oz., **\$4.00**; 1/64 oz., **\$7.25**; 1/32 oz., **\$13.00**.

● **Silver Medal** ALL-AMERICA SELECTION (Photo above, left). Medium large flowers of soft salmon-pink are lavishly produced on free-branching, semi-upright type plants. Grow Silver Medal to meet the steadily increasing demand for soft pastel colors.

● **Pink Sensation.** ALL-AMERICA SELECTION (New—pictured at left). Large Hybrid or bedding type flowers of clear pink. Uniform in habit and very vigorous. Plants branch and flower freely. Almost identical in color to Fair Lady but far superior in vigor and freedom of bloom. Another "bell-ringer" in the popular pastel color class. The most vigorous Petunia in our trials.

● **Rose Charm** (Pictured at left). Rich, brilliant rose, wonderfully vigorous, free branching and flowering. In our trials each plant reaches a spread of over 2 feet and is literally a solid mass of bloom. In addition, Rose Charm possesses a sturdiness of growth that doesn't "flop over" late in summer as do many of the inbred varieties. This variety has gained wide popularity since its introduction only 2 years ago.

Prices above 3, each: ½ tr. pkt., **\$1.00**; tr. pkt., **\$1.75**; 1/128 oz., **\$3.50**; 1/64 oz., **\$6.50**; 1/32 oz., **\$11.70**.

● **Linda** (New). Brilliant rosy salmon flowers similar in color to Silver Medal are carried on bushy, solid plants of great vigor. Will withstand heavy wind and rain without plants breaking down. Somewhat more dwarf than Silver Medal. ½ tr. pkt., **\$1.25**; tr. pkt., **\$2.00**; 1/128 oz., **\$4.00**; 1/64 oz., **\$7.25**; 1/32 oz., **\$13.00**.

Dwarf Hybridas

FOR BEDDING

Each year on the basis of reports from customers, as well as from our own flowering trial reports, we revise our recommended list of 10 best varieties. It should be noted that this list does not include five of the finest bedding types listed on the opposite page—we have placed these varieties in a “class by themselves.”

BALL “10 BEST” (Line-bred)

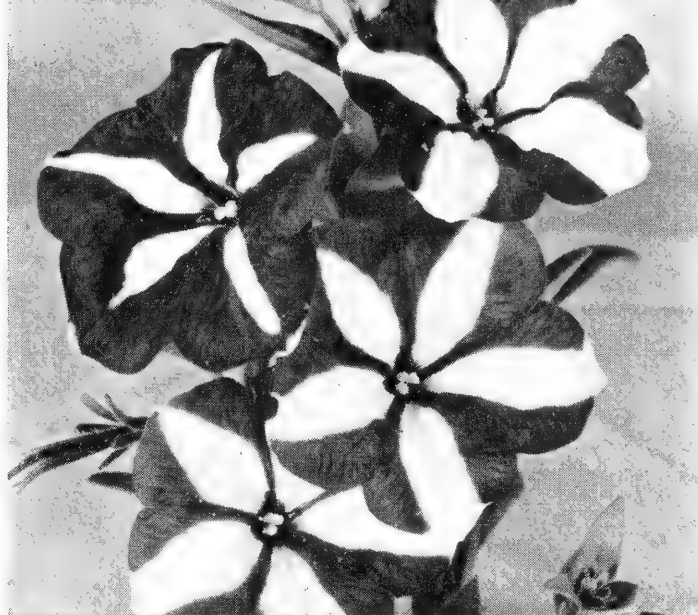
● **Admiral.** Our finest blue Petunia. Large, attractively ruffled flowers; clear blue. Ideal for either pots or bedding. Tr. pkt., 80c; $\frac{1}{64}$ oz., \$1.65; $\frac{1}{32}$ oz., \$2.90; $\frac{1}{16}$ oz., \$5.25; $\frac{1}{8}$ oz., \$9.50.

- **Celestial Rose Improved.** Deeper rose coloring and slightly larger flowers than the original stock. Unexcelled for pot plant work or bedding. Our strain has been unsurpassed in the florist trade for over a decade. Tr. pkt., 60c; $\frac{1}{8}$ oz., \$1.15; $\frac{1}{4}$ oz., \$2.00; 1 oz., \$6.50.
- **Cheerful.** Medium large, star-shaped flowers of clear salmon are freely produced on uniform, fairly dwarf plants. Tr. pkt., 75c; $\frac{1}{16}$ oz., \$2.00; $\frac{1}{8}$ oz., \$3.75; $\frac{1}{4}$ oz., \$6.00.
- **Elk's Star.** Deep velvety crimson with white star. Quite true to type and strikingly attractive for bedding, pots or combinations. Tr. pkt., 50c; $\frac{1}{16}$ oz., \$1.25; $\frac{1}{8}$ oz., \$2.20; $\frac{1}{4}$ oz., \$4.00.
- **Fire Chief.** ALL-AMERICA SELECTION Newly opened flowers are a true scarlet-red, turning to deep salmon-rose with age. Tr. pkt., 50c; $\frac{1}{16}$ oz., \$1.65; $\frac{1}{8}$ oz., \$2.90; $\frac{1}{4}$ oz., \$5.00.
- **Glow.** Bright rose-red flowers are produced in abundance on dense-growing, vigorous plants of uniform habit. Makes a brilliant display for mass plantings. Tr. pkt., 50c; $\frac{1}{16}$ oz., \$1.25; $\frac{1}{8}$ oz., \$2.00; $\frac{1}{4}$ oz., \$3.75; 1 oz., \$13.50.
- **Heavenly Blue.** An old favorite, and rightly so. Still the best silvery blue in this class. This medium to light blue shade combines beautifully with other bedding subjects. Tr. pkt., 50c; $\frac{1}{8}$ oz., \$1.00; $\frac{1}{4}$ oz., \$1.75; 1 oz., \$6.00.

OTHER DWARF HYBRIDAS

- Alderman.** Fairly uniform growth with medium small, lavender-blue flowers. Tr. pkt., 40c; $\frac{1}{4}$ oz., \$1.35; 1 oz., \$4.25.
- Blue Bird.** Similar to Alderman; growth a bit more vigorous. Tr. pkt., 40c; $\frac{1}{4}$ oz., \$1.35; 1 oz., \$4.25.
- **Blue Bedder.** Vigorous growth, large flowers, less lavender shading and more blue than above two. Tr. pkt., 40c; $\frac{1}{4}$ oz., \$1.35; 1 oz., \$4.25.
- **Bright Eyes.** Uniformly dwarf and even in growth. Fairly small rose-pink flowers with white throats. Tr. pkt., 50c; $\frac{1}{8}$ oz., \$1.25; $\frac{1}{4}$ oz., \$2.25; 1 oz., \$6.50.
- Cockatoo.** Irregularly marked purple and white. Tr. pkt., 35c; $\frac{1}{8}$ oz., 90c; $\frac{1}{4}$ oz., \$1.50; 1 oz., \$5.00.
- Cream Star.** Star shaped, creamy white. Tr. pkt., 50c; $\frac{1}{8}$ oz., \$1.25; $\frac{1}{4}$ oz., \$2.25.
- **English Violet.** A pleasing shade of rosy violet-mauve. Habit similar to Celestial Rose Imp. Tr. pkt., 75c; $\frac{1}{8}$ oz., \$1.50; $\frac{1}{4}$ oz., \$2.75; 1 oz., \$8.00.
- **Fair Lady.** A fine, large flowered silvery pink; lighter and softer in tone than Celestial Rose Imp. Ideally suited for pot plant use. Tr. pkt., 60c; $\frac{1}{16}$ oz., \$1.40; $\frac{1}{8}$ oz., \$2.50; $\frac{1}{4}$ oz., \$4.25; 1 oz., \$16.00.
- **Igloo.** White. Extra dwarf, well shaped plant. Tr. pkt., 60c; $\frac{1}{8}$ oz., \$1.15; $\frac{1}{4}$ oz., \$2.00; 1 oz., \$6.50.
- **King Henry.** Deep velvety crimson or mahogany-red. Compact growth makes this a choice pot plant variety. Tr. pkt., 75c; $\frac{1}{32}$ oz., \$1.50; $\frac{1}{16}$ oz., \$2.75; $\frac{1}{8}$ oz., \$5.25; $\frac{1}{4}$ oz., \$10.00.

● **Lipstick (New).** Bright cerise-rose flowers faintly shaded salmon, with white throat, are carried on fairly dwarf plants of uniform size. A very showy, brilliant color. This variety will be widely publicized by the originator this year. Tr. pkt., 50c; $\frac{1}{16}$ oz., \$1.65; $\frac{1}{8}$ oz., \$2.90; $\frac{1}{4}$ oz., \$5.00.



ELK'S STAR

Petunia Elk's Star comes remarkably true to type; white star against a deep crimson background.

- **Snowball Imp.** Pure white, compact, uniform yet vigorous, this is the Dwarf Hybrid white which we have been looking for. It goes well with Celestial Rose Improved as well as with the Hybrids on page 8. Tr. pkt., 75c; $\frac{1}{16}$ oz., \$2.75; $\frac{1}{4}$ oz., \$10.00.
- **Topaz Queen.** A remarkable color combination of glowing carmine-rose with distinct orange-scarlet overtone. Medium large flowered and striking for both bedding and pots. Tr. pkt., 50c; $\frac{1}{8}$ oz., \$1.00; $\frac{1}{4}$ oz., \$1.75; 1 oz., \$6.00.
- **Velvet Ball.** Dark red; almost identical to King Henry in color but more spreading in growth and better adapted for bedding use. Tr. pkt., 75c; $\frac{1}{32}$ oz., \$1.50; $\frac{1}{16}$ oz., \$2.75; $\frac{1}{8}$ oz., \$5.25; $\frac{1}{4}$ oz., \$10.00.
- **Ten Best Formula Mixture.** We mix this ourselves, blending the ten best varieties in proportion to their popularity. Fine for spring flat sales. Tr. pkt., 50c; $\frac{1}{16}$ oz., \$1.00; $\frac{1}{8}$ oz., \$1.85; $\frac{1}{4}$ oz., \$3.50; 1 oz., \$10.00.

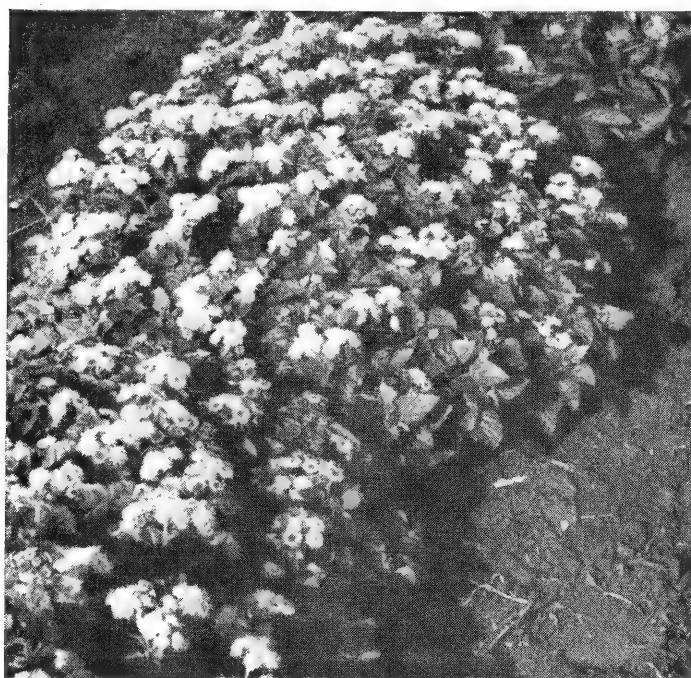
SPECIAL OFFER. For growers who are interested in trying all the 10 Best Varieties listed on this page separately rather than in a mixture, we offer a tr. pkt. of each for \$5.50. This represents a saving of 65c over the regular catalog price.

- Norma.** Lavender with white star; dwarf and compact. Tr. pkt., 40c; $\frac{1}{8}$ oz., \$1.40; $\frac{1}{4}$ oz., \$2.50.
- **Peach Red.** Free flowering, rich salmon-rose. Tr. pkt., 50c; $\frac{1}{16}$ oz., \$1.00; $\frac{1}{8}$ oz., \$1.80; $\frac{1}{4}$ oz., \$3.25.
- Rose of Heaven.** Well known rose-pink for bedding. Tr. pkt., 40c; $\frac{1}{4}$ oz., \$1.15; 1 oz., \$3.40.
- **Rose Queen Improved.** A rich deep rose about the shade of Topaz Queen. Tr. pkt., 75c; $\frac{1}{8}$ oz., \$1.75; $\frac{1}{4}$ oz., \$3.25.
- Rosy Morn.** Popular rose-pink with large white throat. Tr. pkt., 50c; $\frac{1}{4}$ oz., \$1.50; 1 oz., \$5.25.
- Salmon Supreme.** Clear salmon-pink flowers make an attractive display. Tr. pkt., 50c; $\frac{1}{32}$ oz., \$1.50; $\frac{1}{16}$ oz., \$2.75.
- **Snow Queen.** Pure white. Its strong spreading growth and free flowering habit have made it a favorite wherever grown. Tr. pkt., 50c; $\frac{1}{8}$ oz., \$1.00; $\frac{1}{4}$ oz., \$1.75; 1 oz., \$6.00.
- Snow White.** Strong growing plants with creamy white flowers freely produced. Tr. pkt., 40c; $\frac{1}{4}$ oz., \$1.40; 1 oz., \$4.25.
- **Twinkles.** Very showy, rose-pink with white star. Uniform growth and markings. Tr. pkt., 50c; $\frac{1}{4}$ oz., \$1.75; 1 oz., \$6.00.
- **White Perfection.** An excellent, compact, pure white. Tr. pkt., 50c; $\frac{1}{4}$ oz., \$1.50; 1 oz., \$4.50.
- Violaacea.** Deep purple. Tr. pkt., 40c; $\frac{1}{4}$ oz., \$1.40.
- Violet Blue.** GEM TYPE. Deep violet-purple. Fine for pot plants or combination boxes. Tr. pkt., 40c; $\frac{1}{8}$ oz., 80c; $\frac{1}{4}$ oz., \$1.45; 1 oz., \$4.75.
- **Dwarf Hybrid Formula Mixture.** A formula blend of the above varieties. Tr. pkt., 35c; $\frac{1}{4}$ oz., 90c; 1 oz., \$2.75.
- Dwarf Hybrid Starred Mixture.** Nice mixture of starred types. Tr. pkt., 40c; $\frac{1}{4}$ oz., \$1.40; 1 oz., \$4.25.

Popular Annuals

For Bedding and Cutting

On this and the following pages thru page 47 we have grouped, in alphabetical order, all our valuable bedding and cut flower annuals except Petunias on foregoing pages. Perennials will be found starting on page 51. In selecting these varieties, we keep in mind the interest of the professional or commercial grower only, thereby giving meaning to our slogan—"Flower Seeds for Florists."



AGERATUM BLUE BEDDER

Note the uniformity of this row of Ageratum Blue Bedder.
Photo taken in our outdoor trial grounds.

To better enable you to judge the amount of seed you'll need for your planting requirements we have indicated the number of seeds per ounce of all important items listed. For example: **ACROCLINIUM**—8500 S means 8500 seeds per oz. These figures must NOT be accepted as indicating the number of plants to be expected. Under favorable germinating conditions most large seeds will germinate 60 to 70 percent.

The dot (●) indicates varieties most dependably satisfactory in our experience and observation.

ABUTILON (Flowering Maple)

Giant Flowered Mixed. 7000 S. Extra large and early flowering. Ornamental leaves. Tr. pkt., 40c; 1/8 oz., \$1.25.

ACHIMINES

(2,000,000 seeds per oz.)

Mixed Colors (New). Brilliantly colored, trumpet-like flowers in velvety tones of red, violet and white. Makes a nice spring and summer pot plant. Culture like Gloxinias. Tr. pkt., \$1.50.

ACROCLINIUM

Sensation Giants. 8500 S. An extra large semi-double strain of brightly colored strawflowers for spring cutting. Shades of rose, pink and white. Tr. pkt., 20c; 1/4 oz., 35c; 1 oz., \$1.00.

AGAPANTHUS

Umbellatus (Lily-of-the-Nile). Bright blue, funnel-shaped flowers about 1 1/2 inches long, borne in umbels. Tr. pkt., 40c; 1/4 oz., 75c.

AGATHAEA

Celestis (Blue Daisy). 27,000 S. Fairly tall (30-in.) and useful for cutting. Of slow germination. Tr. pkt., 25c; 1/4 oz., 50c.

AGERATUM

MEXICANUM. 200,000 S. Most seed-produced strains vary in habit but make satisfactory material for flat sales.

● **Blue Bedder.** (See cut at left.) Fairly uniform in growth and color with medium sized, freely produced bright blue flowers. 6 to 10 in. This and Midget Blue are the two finest seed-produced strains we know of. Tr. pkt., 40c; 1/8 oz., 90c; 1/4 oz., \$1.60; 1 oz., \$5.00.

Blue Cap. Small, bright orchid-blue flowers freely produced on uniform, bushy plants. The most dwarf blue Ageratum. Tr. pkt., 40c; 1/4 oz., \$1.20; 1 oz., \$3.60.

● **Midget Blue.** Small, clear blue flowers are freely carried on dense small-leaved plants. Fairly even growth. 6 to 10 in. Tr. pkt., 40c; 1/8 oz., \$1.00; 1/4 oz., \$1.75; 1 oz., \$6.00.

Blue Ball Improved. 6 to 10 in. Large flowered strain. Tr. pkt., 35c; 1/8 oz., 70c; 1/4 oz., \$1.30; 1 oz., \$4.25.

Blue Perfection. 10 to 15 in. Large flower heads. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.65.

Tall Blue. 24 in. Uniformly large-flowered, tall strain for cutting. Tr. pkt., 30c; 1/4 oz., 55c; 1 oz., \$1.65.

Fairy Pink. 10 to 12 in. Shades of light pink. Tr. pkt., 50c; 1/8 oz., \$1.00; 1/4 oz., \$1.85; 1 oz., \$6.50.

Imperial Dwarf White. 10 to 12 in. Medium dwarf, fairly clear white. Tr. pkt., 50c; 1/4 oz., \$1.25; 1 oz., \$4.00.

Golden Ageratum (Lonas inodora). Freely produces large clusters of Ageratum-like golden yellow flowers on medium tall (12 in.) plants. Very colorful for bedding or borders. Tr. pkt., 40c; 1/16 oz., 80c; 1/8 oz., \$1.50; 1/4 oz., \$2.75.

ALOE

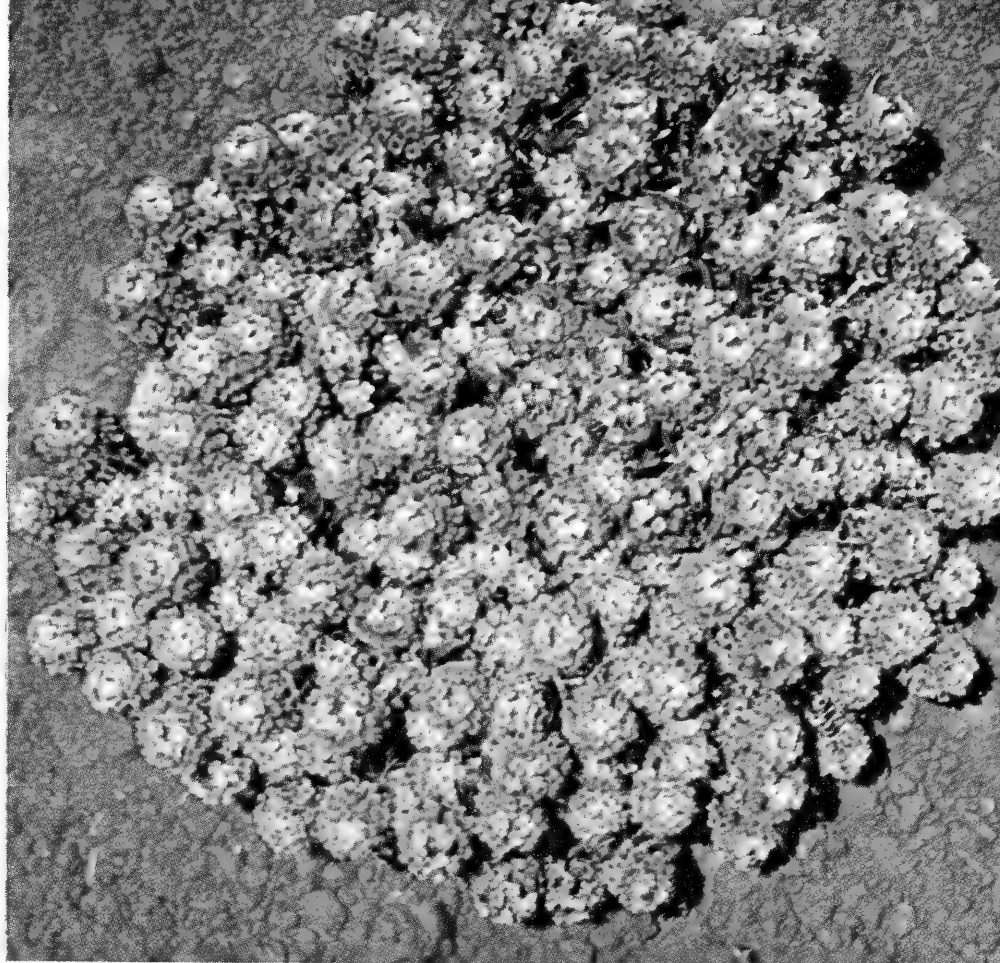
● **Variegata** (Tiger Aloe). 2-in. pot plants of this attractive green and yellow tigered succulent can be produced in less than a year. A valuable item for florists. 100 seeds, \$1.65; 500 seeds, \$7.00; 1000 seeds, \$12.00.

Ferox (African Wart Aloe). A fast growing succulent that will produce small saleable plants in 6 to 8 months from sowing. Much faster growing than Aloe Variegata. 100 seeds, 55c; 250 seeds, \$1.10; 500 seeds, \$1.90; 1000 seeds, \$3.25.

ALYSSUM ROYAL CARPET

ALL-AMERICA SELECTION

This fine new Alyssum has an extremely dwarf carpet-like habit—it is well named. A nation-wide publicity campaign will create a demand for Royal Carpet this spring. Be ready for this business. Tr. pkt., 50c; 1/8 oz., \$1.25; 1/4 oz., \$2.25; 1 oz., \$7.00.



ALYSSUM

90,000 S. All are delightfully fragrant and do well even in poor soils. Valuable for combinations or bedding.

Royal Carpet. ALL-AMERICA SELECTION (New). Violet-purple flowers are produced in great profusion on plants about 3 inches high and 10 inches across. Makes an excellent border plant during early summer and after the days grow cooler. Like all Alyssum, it thrives under conditions of moderate temperature. Tr. pkt., 50c; 1/8 oz., \$1.25; 1/4 oz., \$2.25; 1 oz., \$7.00.

● **Carpet of Snow** (Snowcloth). Produces a very dense, flat mass of white flowers, 3 to 4 in. high by 8 to 10 in. across. Tr. pkt., 20c; 1/4 oz., 30c; 1 oz., 90c; 4 ozs., \$2.75.

● **Little Gem.** 5 in. Dense rounded heads of white flowers; does not spread. Tr. pkt., 20c; 1/4 oz., 35c; 1 oz., \$1.00; 4 ozs., \$3.00.

Snowdrift (New). Maritimum Tetraploid. Huge, snowy white blooms on uniform, 12-inch plants. Fine for cutting. Tr. pkt., 30c; 1/4 oz., 90c; 1 oz., \$2.70.

● **Violet Queen.** 5 in. Fragrant, bright violet flowers are borne on dwarf compact plants. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.25; 4 ozs., \$4.25.

Maritimum (Sweet Alyssum). 10 in., medium-tall strain. Tr. pkt., 15c; 1 oz., 50c.

Perennial Alyssum. See page 51.

ANCHUSA

Blue Bird (Capensis). 1100 S. Attractive deep forget-me-not-blue flowers. 18 to 24 in. Tr. pkt., 20c; 1/4 oz., 30c; 1 oz., 90c.

Perennial Anchusa. See page 51.

AMARANTHUS

Molten Fire. 28,000 S. 4 ft. attractively variegated deep red foliage. Plants do best when not transplanted and prefer dry, open locations. Tr. pkt., 20c; 1/4 oz., 35c; 1 oz., \$1.10.

Tricolor Splendens (New). 3 ft. Beautiful foliage. Green, red and yellow. Handle like Coleus. Tr. pkt., 25c; 1/4 oz., 40c; 1 oz., \$1.20.

Crimson Pygmy (New). 8 in. For combinations. Tr. pkt., 25c; 1/4 oz., 40c; 1 oz., \$1.20.

ARCTOTIS

Breviscapa Aurantiaca. 7700 S. 6 in. Single daisy-like orange flowers with dark centers. Tr. pkt., 50c; 1/4 oz., \$1.00.

Grandis. 25,000 S. Single silvery white flowers with lilac shading and dark center. Tr. pkt., 20c; 1/4 oz., 35c; 1 oz., \$1.10.

Large Flowered Hybrids. 3700 S. 2 1/2 in. Gerbera-like flowers in many beautiful colors. Tr. pkt., 50c; 1/4 oz., \$1.50; 1 oz., \$4.50.

ASPARAGUS

750 S. We offer seed from a California specialist which germinates around 65 to 75% in a soil temperature of 70°.

Plumosus

Sprengeri

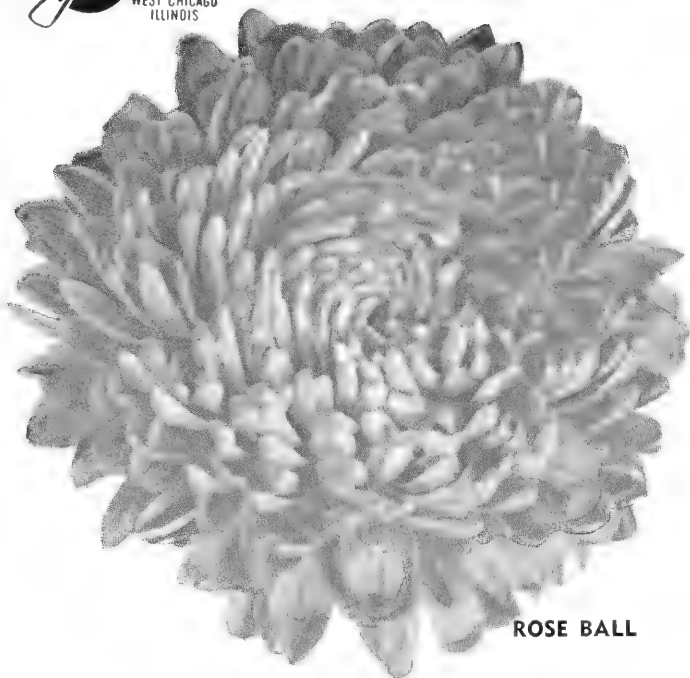
Prices above 2, each: 100 seeds, 30c; 250 seeds, 70c; 1000 seeds, \$2.50; 5000 seeds, \$10.00.

Perennial Asparagus. See page 52.

Perennial Asters. See page 52.

Baby's Breath. See Gypsophila, page 24, and Euphorbia Corollata, page 56.

Bachelor Button. See Centaurea Cyanus, page 18.



ROSE BALL



PINK BALL

Ball Asters

(WILT RESISTANT)

(12,000 seeds per oz.)

Here's good news for Aster growers everywhere! Two brand new varieties are being added this year to our well-known Aster strains. Those of you who have been so well pleased with our New Ball White and Ball Shell-Pink (now White Ball and Pink Ball) will find in Rose Ball and Azure Ball the same long stemmed, fully double types that mean so much in dollar returns. All are highly wilt-resistant.

The constant breeding and research that have made these Asters possible are a part of Ball Service. You're welcome to see them in our cloth house this coming August.

● **Rose Ball** (New). Our fine new extra large flowered, fully double, rich, deep rose. Very shy seeder. Late reports indicate our '52 crop very short. Tr. pkts., only **\$1.75**. Limit 2 tr. pkts. per customer.

● **Azure Ball** (New). Of the same fully double, long stemmed type as our other Ball Asters, but with slightly smaller flowers (3 to 3½ in.) of clear light blue. Blooms Aug. 20. Tr. pkt., **\$1.75**; ¼ oz., **\$3.20**; 1 oz., **\$9.60**.

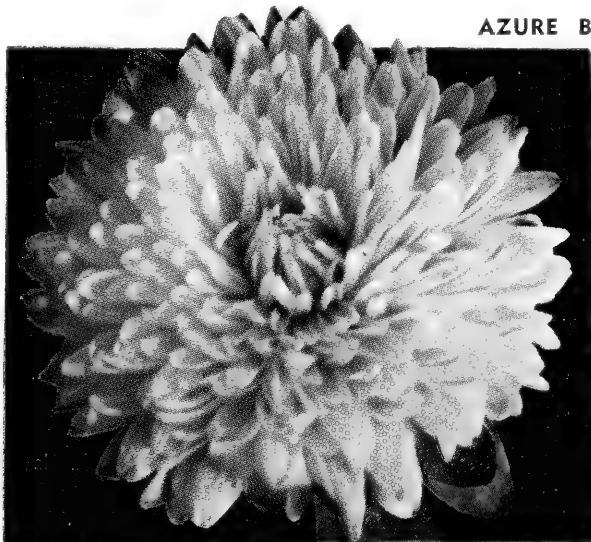
● **White Ball** (New Ball White). Exceptional doubleness and fine, stiff stems are the outstanding points about this excellent pure white Aster. Quite wilt-resistant. Blooms about August 25.

● **Pink Ball** (New Ball Shell-Pink). Large (3½ to 4 in.), fully double flowers of soft shell-pink carried on long stems. Quite wilt-resistant and rarely shows any center under our conditions. Blooms Aug. 20. Excellent flowered under lights in early spring. This fine strain throws few laterals, so needs very little disbudding.

Prices above 2, each: tr. pkt., **\$1.50**; ¼ oz., **\$2.50**; 1 oz., **\$7.50**.



WHITE BALL



AZURE BALL

BALL Wilt-Resistant Asters—Continued

BALL "10 BEST"

- **White Ball** (New Ball White). Fully double, large flowered, pure white. See opposite page.
- **Pink Ball** (New Ball Shell-Pink). 3½ to 4 in. fully double flowers of soft shell-pink on long stems. See opposite page.
- **Rose Ball** (New). Bright, rich rose. See opposite page.
- **Azure Ball** (New). Clear, light blue. See opposite page.
Prices above 4, each: tr. pkt., \$1.50; ¼ oz., \$2.50; 1 oz., \$7.50.
- **Ball White Early**. A fine, resistant white.
- **Ball Deep Purple**. A rich, deep color; long stems.
- **Royal Shell-Pink**. Medium length stem.
Prices above 3, each: tr. pkt., 35c; ¼ oz., 65c; 1 oz., \$2.00; 4 ozs., \$7.00.

AMERICAN BRANCHING

The standard midseason class, flowering with us around late August. Long-stemmed and fine.

- **Heart of France**. Distinctive scarlet-crimson color. Tr. pkt., 40c; ¼ oz., 90c; 1 oz., \$3.00; 4 ozs., \$10.00.
- **Azure-Blue**. An excellent, clear light blue.
- **Ball Phlox-Pink**. Light rose, deepening as flowers mature.
- **Ball White Late**. Probably the best midseason white Aster.
- **Deep Rose**. Long stems and fine large flowers.
Peach Blossom. Lavender-pink, paler near center.
- **Purple**. Rich violet-purple. Long stemmed.
- **Rosalie**. Fine, completely double flowers of deep rich rose.
Simple Pink. Standard shell-pink variety.
- **White**. Excellent cut-flower white; true branching type.
Sensation (New). Red. A favorite in the South.
Prices above 10, each: tr. pkt., 35c; ¼ oz., 65c; 1 oz., \$2.00; 4 ozs., \$7.00.

QUEEN OF THE MARKET

Popular early August-flowering class; rather short-stemmed.

- **Azure-Blue**. A clear, light lavender-blue.
- **White**. The earliest worth-while cut flower white.
- **Ballet Queen**. Deep salmon-rose; very resistant.
Dark Blue. Fairly deep shade of purple.
- **Deep Rose**. Of the popular Ball Deep Rose color.
Flesh-Pink. Shell-pink; deepening as it matures.
- **Mid-Blue**. Between the popular Azure and Dark Blue.
- **Crimson**. Plant moderately of this heavy color.
Prices above 8, each: tr. pkt., 35c; ¼ oz., 65c; 1 oz., \$2.00; 4 ozs., \$7.00.

THE ROYALS

Bloom just ahead of the American Branching class.

- **Ball White Early**. A fine resistant white.
- **Ball Deep Rose**. Long stemmed, bright deep rose. Very popular.
- **Ball Deep Purple**. A rich, deep color; long stems.
- **Azure-Blue**. A fine commercial cut-flower variety.
- **Shell-Pink**. A clear shade of pastel pink.
Deep Rose. Slightly taller than other Royals.
- **Purple**. Bright purple; prefer Ball Deep Purple.
- **White**. A good white.
Prices above 8, each: tr. pkt., 35c; ¼ oz., 65c; 1 oz., \$2.00; 4 ozs., \$7.00.

- **Early Beauty Silvery Rose**. Fine, large flowered light rose.
- **Early Beauty Azure Fairy**. Long stemmed, large flowered azure-blue.
- **Early Beauty White**. Long stemmed and very choice.
Prices above 3, each: tr. pkt., 40c; ¼ oz., 90c; 1 oz., \$3.00; 4 ozs., \$10.00.
- **10 Best Mixture**. Tr. pkt., 35c; ¼ oz., 65c; 1 oz., \$2.00; 4 ozs., \$7.00.

SPECIAL OFFER: One tr. pkt. each of these "10 Best" Asters for \$7.95.

EARLY BEAUTIES

A very fine, long-stemmed class that always flowers in time to escape the average first frosts of the middle states.

- **Early Beauty Silvery Rose**. Fine, large flowered light rose.
- **Azure Fairy**. Long stemmed and large flowered azure-blue.
Crimson. Color similar to Heart of France.
- **Deep Rose**. A fine deep rose.
- **Purple**. Long stemmed deep purple.
- **Shell-Pink** (September Beauty). Delicate light pink.
- **White**. Long stemmed and very choice.
Prices above 7, each: tr. pkt., 40c; ¼ oz., 90c; 1 oz., \$3.00; 4 ozs., \$10.00.

SHAGGY TYPES

This includes the Early California Giants and the Cregos. Both have interlaced petals producing a fluffy effect.

- **Early Giant Light Blue**. Extra large and early-blooming with full petaled, shaggy flowers of clear, light blue. Aug. 20-25.
- **Early Giant Rose Marie**. An excellent large flowered, bright deep rose. One of the most valuable varieties in this Early Giant class. Aug. 20-25.
- **Early Giant Peach Blossom**. Same as Early Giant Light Blue, but a pleasing light pink. Aug. 20-25.
- **Early Giant White** (New). A typical Early Giant with fluffy, pure white flowers.
- **California Giant Dark Purple**. Highly resistant, rich purple. Sept. 25-Oct. 1.
Prices above 5, each: tr. pkt., 40c; ¼ oz., 90c; 1 oz., \$3.00; 4 ozs., \$10.00.
- **Crego Azure-Blue**. Fine light blue. Sept. 10 to 15.
- **Crego Blue Flame**. Resistant, deep bright blue. Sept. 5 to 10.
- **Crego Deep Rose**. Fine large flowered variety. Sept. 10 to 15.
- **Crego Orchid**. Attractive orchid-lavender. Sept. 5 to 10.
- **Crego Peach Blossom**. Light rose-pink. Sept. 10 to 15.
- **Crego Purple**. A rich, bright color. Sept. 5 to 10.
- **Crego Shell-Pink**. Light clear pink. Sept. 10 to 15.
- **Crego White**. Excellent pure white. Sept. 5 to 10.
Prices above 8, each: tr. pkt., 35c; ¼ oz., 65c; 1 oz., \$2.00; 4 ozs., \$7.00.

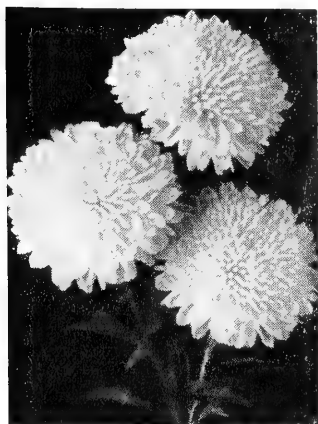
REMO

Two-inch flowers with yellow centers are freely produced on upright, branching plants 12-16 inches tall. Cut entire plant.

White	Light Blue	Dark Blue
Light Rose	Deep Rose	Dark Red
Mixture		
Prices above 7, each: tr. pkt., 35c; ¼ oz., 80c; 1 oz., \$2.75.		

ASTERS CONTINUED NEXT PAGE ➔

BALL Wilt-Resistant Asters — Continued



BOUQUET TYPE ASTER

NEW BOUQUET TYPE

A new class of Aster developed for the cut flower market. 24-inch plant carries 3-3½ inch, fully double flowers at the top, to be cut as one bunch. See photo at left. **Caution:** our cloth house flowering trial indicated a tendency toward soft stems in this strain.

White Coppery Rose
Crimson

Prices above 3, each: tr. pkt., 40c; ¼ oz., \$1.20; 1 oz., \$3.60.

KIRKWELL

Similar to the Remo varieties except that blooms are somewhat more double. Plants are 12-14 inches tall and admirably suited for summer pot plants—flowering around mid-August.

Light Pink Crimson
Salmon-Pink Dark Blue
Deep Rose Mixture

Prices above 6 varieties, each: tr. pkt., 75c; ¼ oz., \$2.00; 1 oz., \$6.00.



KIRKWELL ASTERS

PRINCESS ASTERS

These types have crested or cushioned Anemone centers, forming fairly hard, medium sized flowers. Late August.

- **Princess Anne.** Light peach-blossom-pink.
- **Princess Barbara.** Very attractive orchid-lavender.
- **Princess Bonnie.** Silvery salmon-rose.
- **Princess Elizabeth.** Fine pure white.
- **Princess Golden Sheaf.** Large flowered, lemon-yellow.
- **Princess Linda.** Pure, clear rose.
- **Princess Margaret.** Long stemmed, deep rose.
- **Princess Marsha.** Deep reddish crimson.
- **Princess Susan.** Pleasing deep blue.
- **Princess Mixture.** Formula blend of above varieties.

Prices above 10, each: tr. pkt., 40c; ¼ oz., 90c; 1 oz., \$3.00; 4 ozs., \$10.00.

KING or NEEDLE TYPE

Attractively quilled petals give these flowers an outstanding appearance. Early September flowering.

- **Lavender.** Popular commercial color.
- **Rose.** A fine, deep, rose-pink.
- **Violet.** A rich and striking color.
- **White.** A well selected strain.
- **Shell-Pink (New).** A new color in this class.
- **King Mixture.**

Prices above 6, each: tr. pkt., 35c; ¼ oz., 65c; 1 oz., \$2.00; 4 ozs., \$7.00.

IMBRICATED POMPONS

(17,000 seeds per oz.)

Small, rounded flowers produced on upright growing, compact plants about 15 inches tall. Excellent for pot plants.

Violet Light Blue with white center Scarlet
Rose Carmine White

Prices above 6, each: tr. pkt., 40c; ¼ oz., 90c; 1 oz., \$2.80. Mixture of all colors. Tr. pkt., 30c; ¼ oz., 70c; 1 oz., \$2.10.

SINGLE ASTERS

Violet Joffe (red) Light Blue White Deep Rose
Prices above 5, each: tr. pkt., 30c; ¼ oz., 45c; 1 oz., \$1.50; 4 ozs., \$5.00.

RESISTANT MIXTURES

Queen of the Market Mixture Royal Mixture
American Branching Mixture Early Beauty Mixture
Crego Mixture All-Double Varieties Mixed
Prices above 6 mixtures, each: tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$1.90; 4 ozs., \$6.50.

Early Giants Mixed. Tr. pkt., 40c; ¼ oz., 90c; 1 oz., \$3.00; 4 ozs., \$10.00.

Burpeeana (New). Extra early bedding type mixture which flowered in our trials in late July. Large, fluffy, Crego-type flowers on 18-inch stems. Base branching. Tr. pkt., \$1.50.

California Super Giant Mixed. Choice blend of large, fully double "shaggy-petalled" flowers. Long stemmed. Late Sept. Tr. pkt., 50c; ¼ oz., \$1.00; 1 oz., \$3.25.

- **Single Base-Branching Mixture.** Single flowers on upright, base-branching plants. Tr. pkt., 30c; ¼ oz., 45c; 1 oz., \$1.50; 4 ozs., \$5.00.

Single Rainbow Mixture. (Special Florists' Strain). An attractive mixture of medium sized, single blooms. Tr. pkt., 30c; ¼ oz., 45c; 1 oz., \$1.50; 4 ozs., \$5.00.

NON-RESISTANT ASTERS

Giant California Sunshine Mixed. Attractive mixture in this large flowered Anemone type. Has small center cushion with long ray petals. Tr. pkt., 40c; ¼ oz., 80c; 1 oz., \$2.50.

Peony-Flowered Mixed. Tr. pkt., 35c; ¼ oz., 65c; 1 oz., \$2.00.

Super Giant Los Angeles. Extra large, soft shell-pink. Tr. pkt., 40c; ¼ oz., 90c; 1 oz., \$3.00.

NOTES ON ASTER CULTURE

"Resistance" to Aster Wilt is only relative, and no grower should assume that "resistance" means the same thing as "immunity." While it is entirely true that these so-called "resistant" Asters have been bred to a high degree of resistance to the Wilt organisms existing in the originator's soil, there is considerable evidence to indicate similar but none-the-less different forms of Wilt may exist in other soils. The degree of resistance offered by these strains is therefore variable; however, there is no doubt that they are far more satisfactory than non-resistant strains. Our past experience indicates that changing the location of the Aster planting regularly (or steam sterilizing) is a worth-while safety precaution. We also try to minimize the number of transplanting checks by sowing a month before safe to plant out, then planting the seedlings direct to their permanent location. We like the plant them in beds a foot apart

each way under the protection of a cloth house. Two sets of wire and string are necessary to support the 3- to 4-ft. growth.

SPRING GREENHOUSE ASTERS (Under Glass)

Asters can be flowered in spring or early summer through use of lights. Spider control is assured with Parathion bombs. Wilt losses may be almost eliminated with steaming. We flowered a fine crop early July from a February 4 sowing. They were transplanted to 2½-inch bands February 25, benched 12x12 in. on May 2, lighted from sowing till benching. 60-watt bulbs were used 5 ft. apart. A December sowing lighted from sowing date will bloom in May. Run them 50-55° nights. For complete cultural notes on Asters, see our **Ball Red Book**, new edition, \$1.50.

Ball Begonias

FIBROUS ROOTED

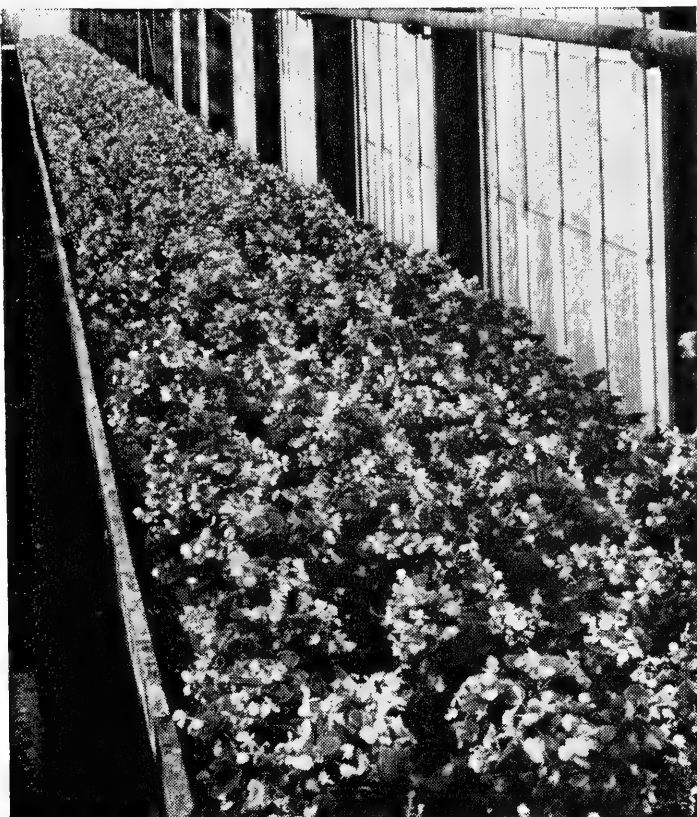
(30,000 seeds per 1/32 oz.)

If our seed and plant sales are an accurate indicator, Begonias are rapidly increasing in popularity as versatile all-around potted plants. They are equally "at home" in 5 inch pots, as less expensive plants in 3 or 4 inch pots, and in combinations of all sorts. Here is one plant which will do well in the low-light, high-temperature conditions of modern homes.

The extreme fineness of Begonia seed and the difficulties involved in getting the better varieties to seed freely are two reasons for our handling this seed production in our own greenhouse at West Chicago. This seed is bred, grown, selected, harvested and cleaned under the watchful eyes of men who have had years of experience handling fine seed.

Culture: We use clear neutral peat for germination; no covering over the seed (except paper till they sprout). Keep surface of flat moist. Use half peat, half soil for potting. They must have 60° to keep them moving—and shade in summer. Sow in January for flowering 2 1/4's, shifting to 4's for May sales.

Varieties. We find the Dwarf types best for pots and combinations: Adeline, Ball Deep Rose, Ball Red, Luminosa Compacta, and Snowbank. Indian Maid and the Scandinavias are fine Intermediates.



BEGONIA ADELINE

A bench of Adeline Begonias growing for seed in our West Chicago greenhouses.

EXTRA DWARF BEGONIAS

- **Ball Dwarf Carmen.** Extra compact habit with rich bronze leaves and light pink flowers. Tr. pkt., \$1.50; 1/64 oz., \$3.50.
- **Saga.** Extra dwarf and dense growth. Small, bright red flowers. Tr. pkt., \$1.50; 1/64 oz., \$4.00; 1/32 oz., \$7.50.

DWARF CLASS

- **Adeline.** Extra free flowering bright pink; dwarf and compact. Tr. pkt., \$1.50; 1/64 oz., \$3.25; 1/32 oz., \$6.00.
- **Ball Deep Rose.** Sorry. Crop failure.
- **Ball Red.** Medium large flowers of bright true scarlet are freely produced on fairly dwarf, uniform plants. Tr. pkt., \$1.50; 1/64 oz., \$3.25; 1/32 oz., \$6.00.
- **Ball White.** Rather small flowers but very freely produced. Tr. pkt., \$1.50; 1/64 oz., \$3.00; 1/32 oz., \$5.50.
- **Luminosa Compacta.** Dwarf, free flowering scarlet-red. Tr. pkt., \$1.50; 1/64 oz., \$3.00; 1/32 oz., \$5.50.
- **Snowbank.** Large, glistening white flowers are carried on dense growing, even plants. The best white. Tr. pkt., \$1.25; 1/64 oz., \$2.75; 1/32 oz., \$5.00.
- **Dwarf Varieties Mixed.** Our own formula mixture of dwarf varieties. Tr. pkt., \$1.00; 1/64 oz., \$2.50; 1/32 oz., \$4.50.

INTERMEDIATE CLASS

- **Carmen.** The original bronze-leaved Begonia; bright rose-pink flowers. Tr. pkt., \$1.25; 1/64 oz., \$2.75; 1/32 oz., \$5.00.
- **Fire Sea (Blaze of Fire).** Large, fiery red with green foliage. Tr. pkt., \$1.25; 1/64 oz., \$2.50; 1/32 oz., \$4.50.
- **Indian Maid.** Foliage a deep lustrous bronze with scarlet flowers. Tr. pkt., \$1.25; 1/64 oz., \$2.75; 1/32 oz., \$5.00.
- **King of the Reds.** Free flowering carmine-red; vigorous growth. Tr. pkt., \$1.25; 1/64 oz., \$2.50; 1/32 oz., \$4.75.
- **Luminosa.** Very attractive and popular scarlet-red. Tr. pkt., \$1.25; 1/64 oz., \$3.00; 1/32 oz., \$5.50.
- **Prima Donna.** Medium rose-pink. Prefer Scandinavia Pink. Tr. pkt., \$1.25; 1/64 oz., \$2.00; 1/32 oz., \$3.50.

- **Sparkler (New).** The outstanding feature of this new Begonia is its unusual color—large flowers of brilliant orange-salmon with each petal base a contrasting creamy white. Sparkler was developed in our own greenhouses and is the only true salmon Begonia we have ever seen. Tr. pkt., \$2.50.

Salmon Queen. Salmon shaded rose with dark foliage. Tr. pkt., \$1.25; 1/64 oz., \$2.50; 1/32 oz., \$4.50.

- **Scandinavia Pink.** Very free flowering bright rose-pink. Fine bushy habit. Tr. pkt., \$1.25; 1/64 oz., \$2.75; 1/32 oz., \$5.00.
- **Scandinavia Red.** Identical to the above except for its bright red flowers. Tr. pkt., \$1.25; 1/64 oz., \$2.75; 1/32 oz., \$5.00.

Scandinavia White. A white Scandinavia selection. Tr. pkt., \$1.25; 1/64 oz., \$2.75; 1/32 oz., \$5.00.

White Pearl. Medium sized white flowers with green leaves, tinged pink; reddish stems. Tr. pkt., \$1.25; 1/64 oz., \$2.50.

Intermediate Varieties Mixed. Made up of the above separate colors. Tr. pkt., \$1.25; 1/64 oz., \$2.25; 1/32 oz., \$3.75.

TALL CLASS

Christmas Cheer. Large flowered, deep rose. Tr. pkt., \$1.00; 1/64 oz., \$2.00; 1/32 oz., \$3.75.

Masterpiece. Extra large flowered, light pink. Tr. pkt., \$1.25; 1/64 oz., \$2.25; 1/32 oz., \$4.00.

Pink Radio. Extra large flowered, rich rose. Tr. pkt., \$1.25; 1/64 oz., \$2.25; 1/32 oz., \$4.00.

Silver Wings. Extra large, pure white flowers. Tr. pkt., \$1.00; 1/64 oz., \$2.00; 1/32 oz., \$3.75.

Tall Varieties Mixed. A formula mixture of the above strong growing sorts. Tr. pkt., \$1.00; 1/64 oz., \$1.50; 1/32 oz., \$2.50.

HETEROSIS (HYBRID) STRAINS

- **Gruga.** Dwarf. Large flowers of Adeline-pink. Habit similar to Ball Red. Tr. pkts. only, \$1.50.
- **Tausendschon.** Dwarf. Bright pink; closely resembles Adeline and Pink Pearl in habit. Originator's seed. Tr. pkt., \$1.25.
- **Pink Pearl.** Resembles Adeline in flower size, rich pink color and uniformly dwarf, compact growth. Originator's tr. pkts. only, \$1.50.
- **Red Pearl.** Dwarf. Identical to Pink Pearl except for its Luminosa-red color. Originator's imported Hybrid seed. Tr. pkts. only, \$1.50.

OTHER BEGONIAS

TUBEROUS ROOTED SEPARATE COLORS

We offer seeds of the following separate colors of the fully double Camellia type Tuberous Rooted Begonia:

Red	Orange	Salmon	Yellow
Scarlet	Rose	Copper	White

Prices above 8 separate colors, each: ½ tr. pkt., \$1.75; tr. pkt., \$3.00.

- **Tuberous Rooted Double Mixed.** Camellia flowered. This is the strain which appears in photo at right. Our flowering trials have consistently produced compact plants. Gorgeous colors; 90% good doubles. Tr. pkt., \$3.00.

- **Lloydi Mixed.** Pendulous. Double flowers, about 2 inches, in shades of scarlet, rose, salmon and white. Fine for hanging baskets. Tr. pkt., \$3.00.

Rex Hybrids. Mixture of ornamental leaved Rex Begonias; many unusual variations. Tr. pkts. only, \$1.25.

Doty's Calla Queen. A novelty Fibrous Rooted Begonia with attractively variegated green and white foliage which contrasts vividly with its red and pink flowers. Needs pinching. Originator's tr. pkt., \$3.00; ½ tr. pkt., \$1.75.



6 MONTHS FROM SEED! Tuberous Begonias

Sow early January—a minimum of 60° temperature will give a blooming 4-inch by early summer

BALSAM

DOUBLE BUSH FLOWERING. 3300 S. 15 in. Because flowers are produced above the foliage this class is by far the most attractive. Even in habit.

Scarlet	Rose	White	Mixture
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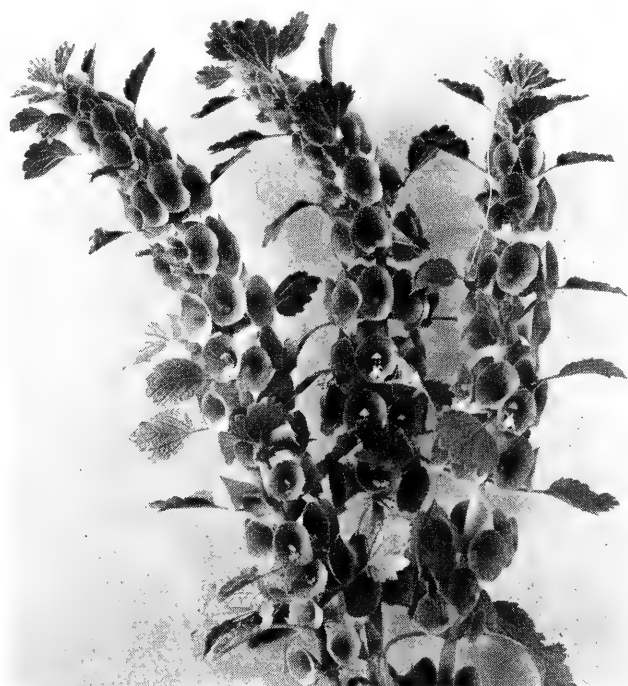
Prices above 4, each: tr. pkt., 40c; ¼ oz., 75c; 1 oz., \$2.25.

Double Camellia Flowered Mixed. 24 in. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00.

BELLS OF IRELAND

(Molucella Laevis)

7000 S. Base-branching; stems about 2 ft. long, closely set with large bell-like sheaths of translucent green surrounding a small white flower. Effective with leaves removed, alone or with other subjects. Easily grown on greenhouse benches, in pots or outdoors in summer. May be dried. Tr. pkt., 60c; ¼ oz., \$2.20; 1 oz., \$6.60.



BRACHYCOME

IBERIDIFOLIA (Swan River Daisy). 140,000 S. 6- to 8-in. plants bearing small single flowers.

Mixture of all colors in this class. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50.

BROWALLIA

Viscosa Compacta Sapphire. 65,000 S. Compact growth with a profusion of small attractively light-eyed blue flowers. Tr. pkt., 40c; ¼ oz., \$1.10; ½ oz., \$2.00.

Speciosa Major. 1½-in. violet-blue flowers are carried on 10-12-inch plants. The standard variety for pots. Tr. pkt., \$1.00; ¼ oz., \$2.25; ½ oz., \$4.00; 1 oz., \$7.50.

CACTUS

All Sorts Mixed. Choice blend of unusual varieties collected from many sources. Requires a temperature of at least 65° for satisfactory results. 100 seeds, 30c; 1000 seeds, \$2.70.

CALCEOLARIA

20,000 seeds per ½ oz.

- **Ball Multiflora Nana Mixture.** Large heads of medium sized flowers in brilliant reds, yellows and intermediate shades. The dwarf plants are wiry in growth with small durable leaves. Tr. pkt., \$1.25; ¼ oz., \$2.75; ½ oz., \$5.00; 1 oz., \$9.00.

Cloth of Gold. Medium large, golden yellow flowers. Very showy. Tr. pkt., \$1.25; ¼ oz., \$2.50; ½ oz., \$4.50.

- **Duplex Hybrids Mixed.** Upper pouch of each flower is almost as large as the lower, giving an attractive duplexed effect. Plants are bushy and fairly dwarf; nice color mixture. Tr. pkt., \$1.25; ¼ oz., \$2.00; ½ oz., \$3.50.

- **Dwarf Tigered or Spotted.** Various spotted shades of red, yellow and rosy bronze. Dwarf and compact; needs no staking. Tr. pkt., \$1.25; ¼ oz., \$2.50; ½ oz., \$4.50.

- **Grandiflora Dwarf Mixed.** Extra large flowers in unusual and striking colors are carried on dwarf plants. Tr. pkt., \$1.25; ¼ oz., \$2.75; ½ oz., \$5.00.

Indian Prince. An orange-scarlet Multiflora Nana selection. Tr. pkt., \$1.25; ¼ oz., \$2.35.

Perennial Hybrids (Rugosa). A very small flowered type for large exhibition work and bedding. Tr. pkt., \$1.25.

- **Triumph Strain.** Medium large flowers; mostly bright reds and yellows. Tr. pkt., \$1.25; ¼ oz., \$2.75; ½ oz., \$5.00.

ANNUALS—Continued

CALENDULA

GREENHOUSE VARIETIES. 3000 S.

This long-stemmed class will flower freely during the spring months from a January sowing.

- **Ball Improved Long Orange.** The longest stemmed and largest flowered variety. Golden orange.
- **Ball Masterpiece.** Deep glowing orange with dark eye.
- **Ball Lemon Queen.** Lemon-yellow with dark brown eye.
- **Ball Gold.** Deep golden yellow with light eye.
- Ball Orange.** Extra deep, intense orange. Light-eyed.
- Campfire.** Popular deep orange.
- Prices above 6, each: tr. pkt., 50c; ¼ oz., \$1.00; 1 oz., \$3.00; 4 ozs., \$9.00.

Ball Formula Mixture. Carefully made up of our named varieties with fully half orange.

Ball Art Shades Mixture. Contains many original and unusual shades and interesting bi-colors.

Prices above 2, each: tr. pkt., 40c; ¼ oz., 80c; 1 oz., \$2.40; 4 ozs., \$7.20.

BEDDING VARIETIES

Showy for bedding where summer heat is not excessive.

PACIFIC BEAUTY CALENDULAS

These improved Calendulas are more resistant to summer heat than the ordinary bedding class.

Apricot Beauty. Attractive two-toned rich apricot.

Cream Beauty. Creamy white shading to soft yellow.

Lemon Beauty. A pure lemon-yellow; wide petals.

Persimmon Beauty. Brilliant, true persimmon-orange.

Pacific Beauty Mixture. A blend of the above four.

Prices above 5, each: tr. pkt., 35c; ¼ oz., 60c; 1 oz., \$2.00.

Lemon Queen. Light lemon-yellow.

● **Orange King.** Deep orange with dark eye.

● **Ball Bedding Mixture.** Well proportioned dwarf mixture.

Prices above 3, each: tr. pkt., 20c; ¼ oz., 30c; 1 oz., \$1.00; 4 ozs., \$3.00.

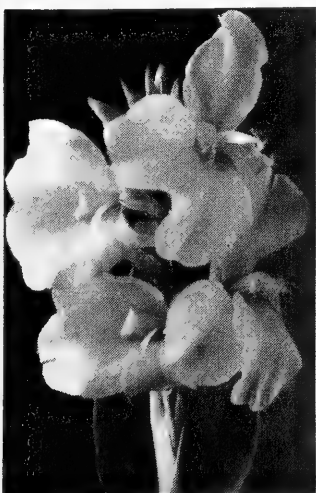
Yellow Colossal. Extra double, clear bright yellow. Tr. pkt., 35c; ¼ oz., 50c; 1 oz., \$1.50.

CALLIOPSIS

90,000 S. Fairly dwarf and very free flowering bedding plants.

Gold Crest. Large (2½ to 3 in.) semi-double golden yellow flowers with reddish brown eyes. Tr. pkt., 20c; 1 oz., 75c.

Dwarf Mixture. 6-8 in. Attractive dwarf compact mixture of red and yellow shades. Tr. pkt., 20c; 1 oz., 60c.



CANNA

CAMPANULA

Annual Canterbury Bells Mixture. 50,000 S. 2 ft. An annual form of the well-known perennial, flowering 6 months from sowing. Tr. pkt., 20c; ¼ oz., 40c; 1 oz., \$1.25.

Perennial Campanulas. See page 52.

CANNA

Giant Mixed (Indica). Formula mixture of selected American-grown varieties. 1 oz. (about 100 seeds), \$1.50; 4 ozs., \$5.00.

CANDYTUFT

HYACINTH-FLOWERED. 9,500 S.

- **Ball Giant White.** Several six-hundred-foot benches at our West Chicago greenhouse are used each year to maintain, improve, and produce seed of this excellent cut-flower strain. Every retail grower should have Candytuft for filler. A Mum and Snap grower who grows for the Chicago market has reported to us that his bed of Candytuft yields a higher return than any Snap or Mum bench. This indicates the possibilities in well grown Candytuft. Ball Giant White blooms 2-3 weeks ahead of the regular strain. Tr. pkt., \$1.00; ½ oz., \$1.95; 1 oz., \$3.35; 4 ozs., \$10.00.

Giant White, Regular. Tr. pkt., 25c; ½ oz., 50c; 1 oz., 90c; 4 ozs., \$3.00; 1 lb., \$10.00.

Miniature Gem. A nice very early flowering rock or border plant; 4 in. high. White. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., \$1.00.

UMBELLATA. A popular spring greenhouse cut flower. Sow in January; plant out 8x10 in. Is also widely used as a winter outdoor crop in Florida and southern Texas. Rose Cardinal is an exceptionally fine variety.

- | | |
|-----------------------------|---------------------------|
| ● Carmine | ● Lavender (Lilac) |
| ● Crimson (Purpurea) | ● Rose Cardinal |
| ● Flesh-Pink | ● White |
| | Formula Mixture |

Prices above 7, each: tr. pkt., 20c; 1 oz., 55c; 4 ozs., \$1.75.

Dwarf Hybrids Mixture. For pots and combinations. Very early. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., \$1.00.

Perennial Candytuft. See Iberis, page 57.

CARNATION

14,000 S. From an early sowing planted outdoors preferably under cloth protection, these strains will produce a nice crop of summer Carnations for cutting. Some supporting necessary.

- **Giant Malmaison, J. M. Bridgeford.** Of sturdy upright habit. If well-grown, supported and disbudded, flowers comparable to those produced in the greenhouse can be had outside where summers are moderate. Many colors are represented in this superior mixture. Tr. pkt., 40c; ¼ oz., \$1.25; 1 oz., \$3.75.

Marguerite Double Mixture. 15-20 in. Ours is a reselected strain of this very free flowering summer Carnation. An old favorite. Tr. pkt., 25c; ¼ oz., 65c; 1 oz., \$2.25.

CHABAUD'S GIANT IMPROVED STRAIN.

- | | |
|-----------------------|----------------------|
| ● Cardinal Red | ● Flesh-Pink |
| (Sparkler) | (Reine Rose) |
| ● Crimson | ● Salmon-Rose |
| (Blood-Red) | ● White |
| ● Deep Rose | (Jeanne Dionis) |
| (Rose Queen) | ● Yellow |
| ● Deep Salmon | (Marie Chabaud) |
| (Aurora) | |

Formula Mixture of all colors.

Prices above 9, each: tr. pkt., 40c; ¼ oz., \$1.00; 1 oz., \$3.25.

ENFANT DE NICE. A fine standard strain.

Red Salmon White Yellow Formula Mixture

Prices above 5, each: tr. pkt., 50c; ¼ oz., \$2.25.

Carnation Grenadin. See page 52.

Castor Bean. See Ricinus, page 33.

ANNUALS—Continued

CELOSIA

28,000 S. One of our finest, most uniform and colorful offerings for annual plant sales. Don't pass up Fiery Feather and Golden Feather.

PLUMOSA. Plumed or feathery type producing spire-like branches, mostly from base of plant. The dwarf varieties are widely used for bedding and as spring and summer pot plants, while the taller strains make useful cut flowers in late summer.

- **Dwarf Fiery Feather.** 12 in. Very attractive pyramid formation with fiery red spires. The standard variety.
- **Dwarf Golden Feather.** 15 in. Same as above but slightly taller and golden yellow.
- **Dwarf Feather Mixture.** A formula mixture of the above two varieties; $\frac{2}{3}$ Fiery Feather, $\frac{1}{3}$ Golden Feather.
Prices above 3, each: tr. pkt., 30c; $\frac{1}{8}$ oz., 70c; $\frac{1}{4}$ oz., \$1.30; 1 oz., \$4.25.

- **Scarlet Plume.** 4 ft. Bright crimson-scarlet. Very colorful for fall borders and cutting. Tr. pkt., 30c; $\frac{1}{4}$ oz., 60c; 1 oz., \$2.00.
- **Golden Plume.** Tall. Same as above except a rich golden yellow. Tr. pkt., 30c; $\frac{1}{4}$ oz., 60c; 1 oz., \$2.00.
- **Thompsoni Magnifica.** Ours is a fine, even strain of this popular tall growing variety. Contains strikingly brilliant reds and yellows with some copper and gold shades. This makes an excellent cut flower. Tr. pkt., 30c; $\frac{1}{4}$ oz., 60c; 1 oz., \$2.00.
- **Spicata.** 5 ft. Long slender, silvery rose spikes for fresh cut flowers or for drying. Tr. pkt., 25c; $\frac{1}{4}$ oz., 60c; 1 oz., \$1.80.

CRISTATA. The popular cockscomb type. The taller varieties provide good cut flowers in either the fresh or dried state, while the dwarf kinds make nice pot plants in summer.

Gilbert's Rose Beauty. Ruffled, ball-shaped heads, about 6 in. across, are of a pleasing rose-pink underlaid with silver. Stem length is about 3 ft. Originator's tr. pkt., (300 seeds), 50c.

Gilbert's Maple Gold. Attractive combs varying in color from light to dark pink, tipped with gold. Grows 2 to 3 feet high and makes an excellent cut flower. Orig. tr. pkt. (300 seeds), 50c.

- **Royal Velvet.** A uniform strain of semi-tall "cockscomb" Celosia. Crimson combs borne well above foliage on 24- to 30-in. stems. Tr. pkt., 30c; $\frac{1}{4}$ oz., \$1.00; 1 oz., \$3.00.
- **Empress.** (Dwarf.) 12 in. Large crimson combs with deep red-dish leaves.

Glasgow Prize (Pres. Thiers). 12 to 15 in. Deep crimson combs set in bright green leaves.

- **Dwarf Mixture.** 15 in. A choice mixture of all colors in this class with both light and dark foliage.

Prices above 3, each: tr. pkt., 30c; $\frac{1}{4}$ oz., 65c; 1 oz., \$2.25.

- **Tall Mixture.** 40 in. Mixture of all colors in the tall class. Tr. pkt., 20c; $\frac{1}{4}$ oz., 35c; 1 oz., 90c.

CHILDSII (Chinese Woolflower). An attractively different type with knobs or ball-like formations on the end of each branch.

Crimson **Mixture**

Prices above 2, each: tr. pkt., 25c; $\frac{1}{4}$ oz., 50c; 1 oz., \$1.75.

CENTAUREA

CYANUS (Bachelor Button or Cornflower). 6500 S. Ours are the very finest, free flowering, reselected florists' strains. Useful for spring greenhouse flowering or can be flowered outdoors in June and July from a fall sowing.

- **Blue Boy.** The standard market variety.

Black Boy. Rich deep maroon.

Red Boy. Deep carmine-rose.

- **Pinkie.** Attractive rose-pink.

- **Snowman.** Fine clear white.

Formula Mixture of above varieties.

Prices above 6, each: tr. pkt., 20c; $\frac{1}{2}$ oz., 30c; 1 oz., 50c; 4 ozs., \$1.65; 1 lb., \$5.50.

DWARF CENTAUREAS

The following three are all of the new dwarf, bushy type and are ideal for borders and general bedding. Height is about 10 to 12 in. with the freely produced flowers closely packed on the plant. Also makes a satisfactory pot plant.

- **Polar Gem.** Pure white fully double flowers.

- **Rose Gem.** Medium rose.

Prices above 2, each: tr. pkt., 30c; $\frac{1}{4}$ oz., 60c; 1 oz., \$1.80.

Jubilee Gem. Bright cornflower-blue. Tr. pkt., 25c; $\frac{1}{4}$ oz., 40c; 1 oz., \$1.10.

IMPERIALIS (Sweet Sultan). 7500 S. Thistle-like flowers; larger than the Cyanus type. Height 30 in.

White **Deep Lavender** **Formula Mixture**

Prices above 3, each: tr. pkt., 20c; $\frac{1}{4}$ oz., 35c; 1 oz., \$1.00.

Suaveolens (Yellow Sweet Sultan). 6700 S. Bright yellow thistle-like flowers; similar to the Imperialis type, but earlier flowering and not quite as tall (20 in.). Forces well indoors. Tr. pkt., 20c; $\frac{1}{4}$ oz., 30c; 1 oz., 90c.

DUSTY MILLERS. The white-leaved kinds for border work. *Cineraria Maritima* Diamond also belongs in this group.

Candidissima. 7500 S. 6 in. The slow growing kind that must be started early. Tr. pkt., 50c; $\frac{1}{4}$ oz., \$1.10; 1 oz., \$3.75.

Gymnocarpa. 7300 S. 24 in. Strong growing, fern-leaved. Tr. pkt., 20c; $\frac{1}{4}$ oz., 30c; 1 oz., 90c; 4 ozs., \$2.75.

AMERICANA. 2400 S. Large (4-in.) flat, thistle-like flowers are produced in great profusion on 18-in. stems; plants grow 2-2½ ft. tall.

Lilac. The preferred color. **White**

Mixture of above 2 colors.

Prices above 3, each: tr. pkt., 20c; $\frac{1}{2}$ oz., 35c; 1 oz., 65c; 4 ozs., \$2.00; 1 lb., \$6.50.

Centaurea Montana. See page 53.

CHERRY, CHRISTMAS (Solanum)

12,000 S. Sow in February, summer plants outdoors; lift and pot in September for Christmas pot plants.

- **Ball Christmas Cherry** (Hlavacek's Masterpiece). A uniform, bushy strain without the wild growth of the original Cherry varieties. Large, round red fruit is very freely produced. Tr. pkt., 50c; $\frac{1}{4}$ oz., \$1.25; 1 oz., \$3.75.

Patterson Christmas Cherry. A compact strain of Christmas Cherry. Fruit medium sized and freely produced well above foliage. Well suited for the smaller sized pot specimens. Tr. pkt., 75c; $\frac{1}{4}$ oz., \$1.50; 1 oz., \$4.75.

Love Apple. See page 25.

Pepper, Avalon. See page 64.

Pepper, Christmas. See page 32.

Chinese Forget-Me-Not. See *Cynoglossum*, page 21.

CHRYSANTHEMUM (Annual)

9000 S. A valuable cut flower "catch crop" that responds well to electric light forcing. Space at least 12x12 in. Germination somewhat slow and irregular.

- **Eldorado** (Segetum). Golden yellow with brown eye.

- **Northern Star** (Carinatum). White; yellow zone, brown eye.

Prices above 2, each: tr. pkt., 20c; 1 oz., 60c.

Rainbow Mixture (Carinatum). An outstandingly complete and brilliant mixture of annual Chrysanthemums including many entirely new shades and color combinations. Tr. pkt., 35c; $\frac{1}{4}$ oz., 60c; 1 oz., \$2.00.

- **Yellowstone.** Single and semi-double golden yellow 2-in. flowers are freely produced on bushy plants about 20 in. tall. Makes a fine bedding show throughout most of the summer. Tr. pkt., 30c; $\frac{1}{4}$ oz., 50c; 1 oz., \$1.50.

Hardy Chrysanthemums. See page 53.

ANNUALS—Continued

CINERARIA

An early January sowing, if kept growing right along, will make satisfactory 3-in. plants in late May for combination work in our latitude. Sowings are made from June on for Christmas and later.



COLEUS FROM SEED! BALL RAINBOW MIXTURE

- **Siter's Rainbow Strain.** 3500 seeds per $\frac{1}{32}$ oz. Excellent market strain with immense heads of medium large, mostly white-eyed flowers and small foliage. Tr. pkt., \$2.00; $\frac{1}{64}$ oz., \$2.75; $\frac{1}{32}$ oz., \$5.00; $\frac{1}{16}$ oz., \$9.00.
- **Multiflora Nana, Gold Center.** 6300 seeds per $\frac{1}{32}$ oz. Attractive medium small, solid-colored flowers with yellow anthers. Good shipper. Tr. pkt., \$1.25; $\frac{1}{64}$ oz., \$2.25; $\frac{1}{32}$ oz., \$4.00.
- **Cremer's Prize Strain** (Our own reselected stock). 6300 seeds per $\frac{1}{32}$ oz. Extra large heads of medium small flowers in widely varied color assortment; about half light eyed. Tr. pkt., \$1.75; $\frac{1}{64}$ oz., \$2.50; $\frac{1}{32}$ oz., \$4.50; $\frac{1}{16}$ oz., \$8.25.
- **Festival (New).** This new Cineraria is the result of 5 years of intensive breeding in our own greenhouses to develop a **small-leaved strain** requiring a minimum of bench space. Plants are bushy and compact with even heads of medium sized, mostly white-eyed flowers in a brilliant color range. $\frac{1}{2}$ tr. pkt., \$1.75; tr. pkt., \$3.00; $\frac{1}{64}$ oz., \$4.50; $\frac{1}{32}$ oz., \$7.50; $\frac{1}{16}$ oz., \$13.00.

● **Dwarf Erfurt Mixture.** Dense heads of medium sized flowers in a fine color balance, including copper, salmon, and maroon in addition to the usual Cineraria colors. Habit is compact and very uniform. Tr. pkt., \$1.50; $\frac{1}{64}$ oz., \$2.50.

● **Berlin Market Mixed** (White-Eyed or Weissensee Strain). 3500 seeds per $\frac{1}{32}$ oz. Large rounded heads of medium large flowers. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.00; $\frac{1}{32}$ oz., \$3.75.

Dwarf Giant Exhibition Mixture. Extra large (4 to 5 in.) flowers in a wide color range on fairly dwarf plants. For exhibition work only. Tr. pkt., \$1.50; $\frac{1}{64}$ oz., \$2.75.

● **No. 1 Mixture.** Consists of Cremer's Prize Strain and Siter's Rainbow Strain in equal proportions. Tr. pkt., \$1.50; $\frac{1}{64}$ oz., \$2.50; $\frac{1}{32}$ oz., \$4.75.

● **No. 2 Mixture.** Contains $\frac{1}{2}$ Cremer's Prize Strain and $\frac{1}{4}$ each Siter's Rainbow Strain and Multiflora Nana, Gold Center Strain. Tr. pkt., \$1.50; $\frac{1}{64}$ oz., \$2.50; $\frac{1}{32}$ oz., \$4.75.

● **Grandiflora Dwarf Mixed.** 3500 seeds per $\frac{1}{32}$ oz. Large flowers in a wide assortment of rich colors with contrasting large white eyes. Extra dwarf and compact growth. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.00; $\frac{1}{32}$ oz., \$3.75.

Stellata Mixture (Star type). Small, free flowering strain. 24 to 30 in. tall. Tr. pkt., \$1.00; $\frac{1}{32}$ oz., \$2.50.

● **"Vivid" Formula Mixture.** A mixture of solid colors (without "eyes") which we blend ourselves. Colors range from salmon and azure-blue to blood-red and dark blue. Habit is dwarf with well rounded heads and fairly small leaves. Blooms about a month later than other strains. Tr. pkt. (1000 seeds), \$1.75; $\frac{1}{64}$ oz., \$2.75. Also available in the following separate colors at the same price: **White, Bright Red, Dark Red, Brick-Red (Matador), Light Blue, Mid-Blue, Dark Blue, Pink Shades, and Salmon.**

Our sale of Coleus Ball Rainbow Mixture has increased steadily since its introduction—mainly because growers find brighter colors and more vigorous growth in this seed strain. $\frac{1}{2}$ tr. pkt., \$1.00; tr. pkt., \$1.75; $\frac{1}{64}$ oz., \$2.75; $\frac{1}{32}$ oz., \$5.25; $\frac{1}{16}$ oz., \$9.50.

SEE NEXT PAGE FOR OTHER COLEUS

CLARKIA

ELEGANS DOUBLE. 90,000 S. Popular for spring cut flower use. Sow in January and grow in shallow soil, disbudding to 2 or 3 spikes for long stemmed flowers. Don't feed and keep fairly dry after plants are about a foot high to prevent oversoft, lanky growth.

Albatross. The best white.

● **Brilliant.** Bright deep rose. Good market color.

● **Orange King.** Excellent fully double orange-scarlet.

● **Salmon Queen.** Medium light salmon-pink.

Mixture of all colors in this class.

Prices above 5, each: tr. pkt., 20c; $\frac{1}{4}$ oz., 35c; 1 oz., \$1.25.

CLEOME (Spider Plant)

Golden Sparkler. 5500 S. Bright golden orange. An unusual Cleome color and strikingly decorative. Germinate cool or sow directly outside. Tr. pkt., 50c; $\frac{1}{4}$ oz., 90c; 1 oz., \$2.70.

Helen Campbell. 12,500 S. A sport of Pink Queen, with glistening pure white flowers. Slightly earlier and larger than Pink Queen. Tr. pkt., 50c; $\frac{1}{4}$ oz., 90c; 1 oz., \$2.70.

● **Pink Queen.** 12,500 S. A wonderfully attractive variety. Large heads (6 to 7 in. across) of newly opened, luminous rosy pink flowers changing to a clear white. Makes a heavy hedgelike row about 4 ft. tall and 3 to 4 ft. across. Tr. pkt., 35c; $\frac{1}{4}$ oz., 55c; 1 oz., \$1.90.

COBAEA

SCANDENS. 375 S. A fine, strong growing, annual climber.

Purple

White

Prices above 2, each: tr. pkt., 30c; $\frac{1}{4}$ oz., 60c; 1 oz., \$1.80.

DUSTY MILLER

● **Maritima Diamond.** 10 in. An improved strain of our finest Dusty Miller. Compact, even growth and very white foliage. Tr. pkt., 20c; $\frac{1}{4}$ oz., 50c; 1 oz., \$1.50.

There's nothing more colorful for combination boxes, or easier to grow, than Coleus. Try Ball Rainbow Mixture.

ANNUALS—Continued

COLEUS

● **Coleus, Ball Rainbow Mixture.** (See photo page 19). Our greenhouse grown seed strain of Coleus features a wide range of bright clear colors including pinks, roses, bright yellow-greens, salmon and others. The important point of distinction between this and other Coleus strains is the very low (less than 10%) percentage of undesirable shades (culls) which it produces. Ball Rainbow Mix is being used more and more by bedding plant growers who have formerly reproduced Coleus from cuttings. Reason—simply brighter colors and more vigorous yet uniform plants are obtainable from this strain. $\frac{1}{2}$ tr. pkt., \$1.00; tr. pkt., \$1.75; $\frac{1}{64}$ oz., \$2.75; $\frac{1}{32}$ oz., \$5.25; $\frac{1}{16}$ oz., \$9.50.

Rainbow Mix. (Regular). Assorted colors. Not recommended where top quality colors are desired. Tr. pkt., 75c; $\frac{1}{32}$ oz., \$1.80; $\frac{1}{16}$ oz., \$3.25.

Hybrida No. 5. The medium sized leaves are a rich combination of deep mahogany-red and bright carmine-rose. And we find it comes around 80% true. Tr. pkt., \$1.50; $\frac{1}{32}$ oz., \$3.00.

● **Giant Exhibition Mixture.** An extra large leaved strain with exceptional brilliance of coloring. Tr. pkt., \$1.25; $\frac{1}{32}$ oz., \$2.50; $\frac{1}{16}$ oz., \$4.75.

Ball Copper Giant. Produces large leaves of a pleasing copper-rose shade and comes about 75% true to type. Tr. pkt., \$1.25; $\frac{1}{32}$ oz., \$2.50.

Glory of Vichy. A popular strain predominating in the lighter, more golden shades. Tr. pkt., 60c; $\frac{1}{32}$ oz., \$1.50; $\frac{1}{16}$ oz., \$2.50; $\frac{1}{8}$ oz., \$4.00; $\frac{1}{4}$ oz., \$7.00.



NEW! CROSSANDRA NEW!

A distinctly new and valuable pot plant. It is an ever-green and ever-blooming plant with glossy, attractive foliage and flower spikes of overlapping, bright salmon florets. Sown any time of the year, but most easily started in early spring and flowers in 6 to 9 months. It demands high temperature (at least 65°) and rich, well-drained soil. 50 seeds, \$2.50; 200 seeds, \$8.00.



DAHLIA UNWIN'S DWARF HYBRIDS

See next page.

CORAL FLOWER

Small, bright carmine flowers, freely produced on 24- to 30-in. stems. Grown principally for the small, deep coral seed capsules that are really more attractive than the flowers. Tr. pkt., 35c; $\frac{1}{16}$ oz., 75c; $\frac{1}{8}$ oz., \$1.40.

CORN, ORNAMENTAL

Rainbow (Calico or Indian Squaw). Kernels of various colors make attractive ears for fall decorations. 1 oz., 20c; 4 ozs., 35c; 1 lb., \$1.20.

Strawberry. The attractive, tiny 2-in. ears of rich, shiny mahogany contrast with the straw-colored husks when folded back. Grand for fall floral arrangements. 1 oz., 40c; 4 ozs., \$1.40.

COSMOS

SENSATION. 5000 S. The most satisfactory class of Cosmos to grow for cut-flower purposes. Extra large flowers and extreme earliness make them suitable for growing outdoors, even in northern climates.

● **Pinkie.** Clear rose-pink.

● **Purity.** Extra large flowered pure white.

● **Mixture** of above and other shades.

Prices above 3, each: tr. pkt., 25c; $\frac{1}{4}$ oz., 40c; 1 oz., \$1.15.

● **Radiance.** Deep rose petals with large, rich crimson eye. A striking color combination.

Dazzler. Bright crimson-red. This is a marked improvement over strains previously offered.

Prices above 2, each: tr. pkt., 25c; $\frac{1}{4}$ oz., 50c; 1 oz., \$1.60.

EARLY SINGLE MAMMOTH FLOWERED

Queen Mixture. 5000 S. All colors in this large flowered class. Tr. pkt., 20c; 1 oz., 60c.

EXTRA EARLY DOUBLE CRESTED. 5000 S. Produces around 60% large crested flowers.

Mixture. Tr. pkt., 30c; $\frac{1}{4}$ oz., 75c; 1 oz., \$2.50.

ANNUALS—Continued

COSMOS, Continued

GIANT FLOWERED LADY LENOX. 5000 S. The extra large flowered late blooming class.

Mixture. Tr. pkt., 20c; 1 oz., 40c.

HYBRIDA KLONDYKE. 2800 S.

● **Orange Ruffles.** An attractive semi-double; the same bright orange as the old Orange Flare but even earlier flowering and slightly more dwarf.

● **Yellow Ruffles.** Same type as Orange Ruffles, but a pleasing clear yellow.

Prices above 2, each: tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.00.

● **Fiesta.** Scarlet petals, striped yellow. Not as vigorous as other Cosmos. Tr. pkt., 40c; ¼ oz., \$1.20; 1 oz., \$3.60.

CUPHEA

7000 S. Very attractive and easily grown bedding plants.

● **Firefly.** Dense, compact plants reaching a height of 12 in. with freely produced, small, bright scarlet flowers. Also makes an attractive spring pot plant. Tr. pkt., 25c; ⅛ oz., 75c; ¼ oz., \$1.35.

CYNOGLOSSUM

AMABILE. Chinese Forget-Me-Not. 5000 S.

● **Firmament.** Fine bushy, compact plants with freely produced small flowers of the most intense clear blue. An excellent bedding plant that stands hot, dry weather well. Tr. pkt., 20c; ¼ oz., 40c; 1 oz., \$1.35.

● **Blue Bird.** An improved, upright-growing type; rich, bright blue. Tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.15.

Pink Delight. Very bushy plants, similar in habit to Firmament but with pale orchid-pink flowers. Height 15-18 in. Tr. pkt., 50c; ¼ oz., \$1.10; 1 oz., \$3.50.

CYPERUS

Alternifolius (Umbrella Plant). 200,000 S. An attractive addition to any form of water gardening. In a warm house, they will get up 2-3 ft. and are used to best advantage for summer plantings in aquariums, pools, and bird baths. Tr. pkt., 40c; ¼ oz., 85c; 1 oz., \$2.50.

DAHLIA

2800 S. Because of the wide variation in colors and types, seedling Dahlias are interesting to grow and tubers may be saved from the choicest specimens. The dwarf types are especially nice for outdoor bedding while the Unwin strain also makes a fine pot plant. All flower the first season from an early sowing. **Should be sown several weeks ahead of other annuals for maximum bloom the first year.**

Giant-Flowered Mixed. A choice tall mixture producing 50% giant double flowers of the very best types and colorings. Outstanding individuals may be propagated through tubers. Tr. pkt., 60c; ⅛ oz., \$1.85; ¼ oz., \$3.50; 1 oz., \$10.00.

● **Unwin's Dwarf Hybrids** (Pictured at left, above). Our strain of this popular variety is especially reselected for evenness of dwarf habit and a wide range of attractive colors in both double and semi-double forms. Seed sown during January will produce salable 3- to 4-in. flowering pot plants in May. Tr. pkt., 30c; ¼ oz., 80c; 1 oz., \$2.75; 4 ozs., \$8.50.

COLTNESS STRAIN. Dwarf and free flowering single.

Mixture of all colors. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

CYCLAMEN

Quantity discounts: 250 of a variety at 1000 rate (except Vogt's. 10,000 to 25,000 seeds, any assortment of varieties, less 5%; over 25,000 seeds, less 10%. Our regular cash discounts now apply to Cyclamen seed. See inside back cover.

	100 Seeds	1000 Seeds
No. 1 Dark Blood-Red	\$1.90	\$17.50
No. 2 Bright Red	1.90	17.50
No. 3 Pure Rose (Rose of Aalsmeer). Light rose-pink	1.90	17.50
No. 4 Soft Rose with carmine eye. (Improved Rose of Marienthal)	1.90	17.50
No. 5 White with carmine eye	1.90	17.50
No. 6 Pure White	1.90	17.50
No. 7 Bonfire. Brilliant salmon	2.50	22.00
No. 8 Salmon-Scarlet (America-Imp.) ..	2.50	22.00
No. 9 New Salmon-Rose Imp.	2.50	22.00
No. 10 Glory of Wandsbek (Perle of Zehlendorf). Dark salmon	2.40	20.00
No. 11 Rose of Zehlendorf. Light salmon	2.40	20.00
No. 12 Orange Beauty. Orange-vermilion ..	2.50	22.00
No. 13 Rococo Mixed. Fringed flowers; unusual shapes and markings	2.50	22.00
No. 16 Saffron Red, Silver Edged	2.50	22.00
No. 17 Striped Varieties Mixed	2.40	20.00
No. 18 Mozart. Deep pink	2.50	22.00
No. 19 Lavender	1.90	17.50
No. 21 Pink Pearl. Salmon-pink	2.50	22.00
No. 22 Baardse Wonder. Salmon with white border	2.50	22.00
No. 24 Roseum Oculatum. Light pink, salmon eye	2.40	20.00
No. 26 Victoria. Fringed white, tipped red	2.50	22.00
No. 30 Mixture of above colors	1.80	16.50
No. 50 Ruffled Lavender	2.50	23.00
No. 51 Ruffled Salmon	2.50	23.00
No. 52 Ruffled White	2.50	23.00
No. 53 Ruffled Dark Red	2.50	23.00
No. 60 Ruffled Mixture	2.50	23.00

VOGT'S DOUBLE-FLOWERED STRAIN

Admiration. Salmon-rose with shaded eye.

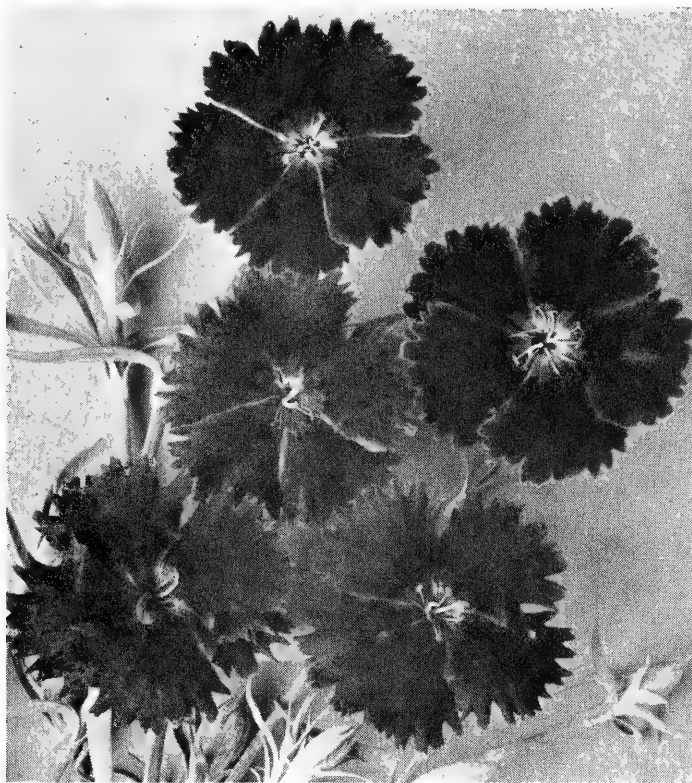
Mixture.

Prices above 2, each: 100 seeds, \$3.75; 250 seeds, \$7.75; 500 seeds, \$14.50; 1000 seeds, \$27.50.

A WORD ABOUT OUR CYCLAMEN

Repeated observations of Cyclamen flowering trials in our own greenhouses, as well as careful examination of the leading strains grown in Europe and America, have led us to believe that no one Cyclamen seed specialist excels in all varieties.

The Ball strains include only those varieties in which each grower (according to our flowering trials) excels. We can obtain seeds of all varieties of the named European strains of Binneweiss, Eveleen, etc., upon request.



DIANTHUS WESTWOOD BEAUTY

DAISY

Dahlberg Daisy. An unusually attractive, compact edging plant with airy, lacelike leaves. Can also be used as a pot plant. Produces a profusion of small yellow flowers continuously from late spring until frost. Forms a very even row, 6 to 8 in. high and 12 to 14 in. across. Germination somewhat irregular except in spring months. Tr. pkt., 60c; 1/8 oz., \$1.40.

Tahoka Daisy. Single daisy-like flowers of lavender-blue with deep yellow center are carried on medium length stems. Lacy, fernlike foliage. Tr. pkt., 30c; 1/4 oz., 80c; 1 oz., \$2.35.

Blue Daisy. See Agatheia, page 10.

English Daisy. See Bellis, page 52.

Painted Daisy. See Pyrethrum, page 59.

Perennial Daisies. See page 55.

DATURA

Wrighti (Angel's Trumpet). 3 ft. Large trumpet-like flowers open soft lavender-rose, gradually turning white. Tr. pkt., 30c; 1/4 oz., 65c; 1 oz., \$2.00.

DIANTHUS

25,000 S. Wonderfully showy and free flowering bedding plants.

Annual Sweet William (*D. barbatusinensis*). 12 in. Single mixed. Tr. pkt., 15c; 1/4 oz., 30c; 1 oz., 90c.

● **Sweet Wivelsfield Single Mixed.** 12 in. Probably the most popular of the annual Dianthus. Free flowering and brilliantly colored. Tr. pkt., 15c; 1/4 oz., 35c; 1 oz., \$1.00.

Sweet Wivelsfield Double Mixed. Same as above but most flowers either semi-double or double. Tr. pkt., 30c; 1/4 oz., 70c; 1 oz., \$2.25.

Westwood Beauty (*D. Heddensis*). This Dianthus, the result of a cross between *D. Heddewigi* and *D. Chinensis*, produces large 2-in. single flowers in shades of red on long stems. Somewhat more resistant to heat than ordinary Dianthus. Tr. pkt., 30c; 1/4 oz., 60c; 1 oz., \$2.00.

● **Gaiety.** Single mixed. Large, showy, fringed flowers. Colors range from pure white to crimson and are attractively zoned. Tr. pkt., 35c; 1/4 oz., 75c; 1 oz., \$2.50.

ANNUALS—Continued

DIANTHUS, Continued

HEDDEWIGI (Double Pinks). 10 in. Fine for rock garden and border work.

● **Fireball.** Deep scarlet.

● **Snowdrift.** Extra large flowered pure white.

Imperator Mixture of all colors in this double class.

Prices above 3, each: tr. pkt., 20c; 1/4 oz., 40c; 1 oz., \$1.35.

Hardy Dianthus. See page 53.

Double Gaiety (New). Brilliant shades in a full range of color, including bright salmon and scarlet. Tr. pkt., 35c; 1/4 oz., 75c; 1 oz., \$2.50.

DIDISCUS

Blue Lace (*Coeruleus*). 10,000 S. Freely produces small (1 1/2 to 2-in.) heads of light bluish lavender flowers. Useful for spring forcing, or outdoors in cool climates. Tr. pkt., 20c; 1/4 oz., 35c; 1 oz., \$1.00.

● **Lace Veil** (New). Identical to Blue Lace except for its pure white flowers. May be dyed any color. Tr. pkt., 35c; 1/4 oz., \$1.00; 1 oz., \$3.00.

DIMORPHOTHECA

9500 S.

Aurantiaca Mixed. 6 to 10 in. 2-inch single daisy-like flowers in bright yellow, buff and orange shades. Tr. pkt., 20c; 1/4 oz., 40c; 1 oz., \$1.25.

Salmon Beauty. Soft salmon-pink. Tr. pkt., 30c; 1/4 oz., 60c; 1 oz., \$2.00.

● **Glistening White.** Large, pure white, daisy-like flowers with black eye, edged violet. Spreading plants 10-12 in. tall. Good for rock gardens, edging and cutting. Tr. pkt., 40c; 1/4 oz., \$1.00; 1 oz., \$3.25.

DRACAENA

Indivisa. 1500 S. The narrow-leaved and most popular variety. Tr. pkt., 20c; 1 oz., 55c; 4 oz., \$1.65.

Australis. 1000 S. The broader-leaved kind. Tr. pkt., 20c; 1/4 oz., 35c; 1 oz., \$1.00.

Dusty Miller. See Cineraria, page 19, and Centaurea, page 18.

ECHIU

Blue Bedder. 6500 S. 14 in. Very early blooming annual producing 1/2-in. bell-shaped blue flowers throughout the summer until frost. Tr. pkt., 20c; 1/4 oz., 30c; 1 oz., \$1.00.

ESCHOLTZIA (California Poppy)

15,000 S.

Aurantiaca. 1 ft. The true California Poppy. Rich orange. Tr. pkt., 20c; 1 oz., 50c.

Formula Mixture. Single flowers ranging from lightest yellow to dark red. Growth is compact and erect. Tr. pkt., 20c; 1/4 oz., 35c; 1 oz., \$1.00.

Bush Escholtzia. See Hunnemannia, page 24.

EUPHORBIA

Variegata. 2500 S. The popular Snow-on-the-Mountain. Tr. pkt., 20c; 1 oz., 60c; 1 lb., \$5.50.

Heterophylla (Annual Poinsettia or Mexican Fire Plant). 5000 S. 36 in. Tr. pkt., 15c; 1/4 oz., 35c; 1 oz., \$1.10.

Hardy Euphorbias. See page 56.

ANNUALS—Continued

EXACUM

Affine. An easily grown, neat and attractive pot plant with richly fragrant violet-blue flowers. Tr. pkt., \$1.25; 1/28 oz., \$3.00; 1/4 oz., \$5.50.

FELICIA

Bergeriana (King Fisher Daisy). 150,000 S. The dwarf blue Daisy for pot plants. 6 in. Germination sometimes slow and irregular. Tr. pkt., 40c; 1/4 oz., \$1.00.

Forget-Me-Nots. See *Myosotis*, pages 29 and 58.

Feverfew. See page 56.

FREESIA

Seed sown in May will produce bulbs by September which will bloom the following January with good flowers and stems. Soak seed 24 hours before sowing.

Refracta alba. White. Tr. pkt., 60c; 1/4 oz., \$1.35; 1 oz., \$4.00.

Refracta Buttercup. Yellow. Tr. pkt., 60c; 1/4 oz., \$2.25; 1 oz., \$6.50.

Rainbow Hybrids. Attractive mixture including blues, yellows and reds. Tr. pkt., 75c; 1/8 oz., \$1.50; 1/4 oz., \$2.75; 1 oz., \$8.25.

SUPER GIANTS. 3000 S. The most choice strain, imported from a European specialist. Large flowers and long stems.

White Blue and Lilac Shades Yellow and Orange Shades Red and Pink Shades Mixed Colors

Prices above 5, each: tr. pkt., \$1.00; 1/8 oz., \$2.25; 1/2 oz., \$7.50.

FUCHSIA

HYBRIDA.

Special Mixture. A choice mixture of single and double types saved from one of the finest collections in the country. Fancy specimens may be cutting propagated. 350 seeds, \$3.00; 700 seeds, \$5.50; 1400 seeds, \$10.00.

GAILLARDIA

PICTA. 14,000 S. Annual Gaillardia. Fine free flowering, brightly colored material for beds or borders.

● **Indian Chief.** 12 to 15 in. An even and very free flowering single strain with solid red flowers.

Lorenziana Double Mixed. 12 in. Quite attractive and free flowering double strain of orange, yellow, red and rose shades.

Prices above 2, each: tr. pkt., 20c; 1/4 oz., 35c; 1 oz., \$1.00.

● **Sunshine Double Mixed.** Fully double flowers about 2 1/2 in. across are carried on strong stems 16 to 18 in. long. Attractive shades of wine-red, yellow and bicolor red and yellow. Retail growers will find this a valuable and easily grown source of summer cut flowers. Tr. pkt., 30c; 1/4 oz., 70c; 1 oz., \$2.40.

Perennial Gaillardia. See page 56.

GAZANIA

Splendens Grandiflora Mixed. Medium sized single and semi-double flowers in shades of yellow and white. The vigorous plants are constantly in bloom. Stands hot, dry weather well. Tr. pkt., 50c; 1/4 oz., \$1.00; 1 oz., \$3.00.

GERANIUM

Zonale. A mixture of single types in shades of white, pink, salmon and red. Easily grown from seed. Tr. pkt., 50c; 1/4 oz., \$1.25; 1 oz., \$3.75.



SUPER GIANT FREESIAS

GERBERA (Transvaal Daisy)

Duplex Hybrids. This splendid new strain produces large 5-inch flowers with twice as many petals as the ordinary single type. All colors, except blue, are represented with flowers being carried on strong stems up to 3 ft. in length. 100 seeds, 65c; 1000 seeds, \$5.50; 5000 seeds, \$25.00.

GESNERIA

Macrantha. The Gloxinia-like leaves of this attractive pot plant are crowned with an upright central stem bearing many slender, tubular, brilliant scarlet flowers from the leaf axils. Sow January to March for late fall and Christmas plants. Keep shaded during summer. Tr. pkt., \$1.25.

GLOXINIA

25,000 seeds per 1/32 oz. Sow in January for blooming plants in 4-inch pots during June and July. All Gloxinia seed is very fine and must be handled carefully.

● **Panzer Strain.** This strikingly beautiful velvety scarlet Gloxinia comes almost completely true from seed. Originated by one of the leading Pacific Coast pot plant growers. Tr. pkt., \$1.25; 6 pkts., \$6.00.

Formula Mixture. Made up of choice named separate color varieties. Do not confuse this with cheap seed mixtures grown as such. Also available in straight colors at same price. Tr. pkt., \$1.25; 6 pkts., \$6.00.

GODETIA

45,000 S. Should be grown in flats or shallow benches for greenhouse culture. Handle about like Clarkia.

UPRIGHT SINGLE. This class is especially attractive and much grown for greenhouse cut flowers.

● **Duke of York.** Bright carmine and white.

● **Kelvedon Glory.** Rich apricot.

Prices above 2, each: tr. pkt., 25c; 1/4 oz., 60c; 1 oz., \$1.90.

TALL DOUBLE.

Mixture of colors in the Tall Double class. Tr. pkt., 15c; 1/4 oz., 30c; 1 oz., 90c.

DWARF DOUBLE AZALEA-FLOWERED.

Sybil Sherwood. 18 in. Bright salmon-pink, edged white. Tr. pkt., 30c; 1/4 oz., 60c; 1 oz., \$2.00.

ANNUALS—Continued

DIANTHUS, Continued

GOMPHRENA (Globe Amaranth)

5500 S. An attractive everlasting garden flower with some value for cutting. A fine bedder for hot, dry climates.

GLOBOSA. Round, ball-shaped flowers.

Rubra. 30 in. Magenta-purple. A bright deep shade.

Mixture of colors.

Prices above 2, each: tr. pkt., 15c; ¼ oz., 35c; 1 oz., \$1.10.

● **Buddy.** Fairly dwarf plants with small ball-shaped flowers of bright reddish purple. This is the true dwarf strain. Fine for bedding, pot plants or combination boxes. Better have some of this. Tr. pkt., 30c; ¼ oz., 75c; 1 oz., \$2.25.

GOURDS, ORNAMENTAL

SMALL VARIETIES. 450 S. All are easily grown and, when properly dried and varnished, last indefinitely.

Spoon. Orange and green fruits with long, slender necks.

Warted Types Mixed. Not over 4 in. in diameter.

Small Varieties Mixed. Offered in place of the La Montagne strain which is no longer available.

Prices above 3, each: tr. pkt., 25c; 1 oz., 90c.

GRASSES, ORNAMENTAL

Briza Maxima (Quaking Grass). Graceful panicles which tremble in the slightest breeze. 18 inches. Tr. pkt., 30c; 1 oz., \$1.00.

Coix Lacrymae (Job's Tears). 3 to 4 ft. tall with hard, shiny gray beads up to 1 inch in diameter. Tr. pkt., 20c; 1 oz., 35c; 4 ozs., \$1.00.

Pennisetum Rueppelianum (Fountain Grass). 3 to 4 ft. tall with long, graceful purple sprays. Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.00.

Lawn Grass. See page 50.

GREVILLEA

Robusta (Australian Silk Oak). 3000 S. Seed sown in early spring and grown in a temperature of 60° will make nice 5-in. pot specimens by fall. Because it holds its foliage well, it is being used with Poinsettias instead of Asparagus. Tr. pkt., 25c; ¼ oz., 65c; 1 oz., \$2.00.

GYPSOPHILA

ELEGANS (Baby's Breath). 24,000 S. Easily flowered in flats in the greenhouse or may be grown outdoors; requires about 3 months to bloom from sowing. Although the larger flowered varieties are attractive and fine, the smaller ones outlast them for bouquet work.

● **Covent Garden Market.** A very excellent strain with large and full-petaled white flowers, about 75% of which have 6 to 8 petals. 1 oz., 30c; 4 ozs., 75c; 1 lb., \$2.50; 5 lbs., \$10.00.

● **Paris Market.** Smaller flowered than Covent Garden Market. Holds up well. 1 oz., 30c; 4 ozs., 70c; 1 lb., \$2.25.

Carminea. Small, ¼-in. pink flowers. Tr. pkt., 15c; 1 oz., \$1.20; 4 ozs., \$4.00.

Crimson. Slightly darker than above. Tr. pkt., 15c; 1 oz., \$1.20; 4 ozs., \$4.00.

Hardy Gypsophila. See page 57.

HELIANTHUS (Sunflower)

● **Sungold.** 650 S. Of uniform medium height (4 to 5 ft.) with practically 100% fully double, golden yellow Chrysanthemum-like flowers about 4 in. across. Sow outdoors in May for August blooming. Retail growers will find this a valuable summer cut flower. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., 90c; 4 ozs., \$3.00; 1 lb., \$9.50.

HELICHRYSUM

MONSTROSUM. 36,000 S. The most popular double Strawflower. Widely used for drying.

Violet Queen

Canary-Yellow

Silver Ball (White)

Golden Globe

Rose Queen

Fireball (Scarlet)

Copper (Brown)

Formula Mixture

Prices above 8, each: tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.40.

HELIOTROPE

50,000 S.

Dwarf Regale Mixture. 15 in. A fine, even strain with extra large, lavender-violet flower heads. Richly fragrant. Tr. pkt., 40c; ¼ oz., \$1.00; 1 oz., \$3.25.

● **Marine** (New). A fine new deep violet color and large flower heads. Tr. pkt., 50c; ¼ oz., \$1.00; 1 oz., \$3.50.

HOLLYHOCK (Annual)

Indian Spring. 13,000 S. 4 to 5 ft. Starts to bloom 5 months from seed sowing and continues until frost. Semi-double light pink and rose flowers are borne mostly on central spike. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$1.90.

Indian Summer. Contains a wide range of colors, with all the beauty of the perennial type. Blooms first season from seed. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$3.75.

Perennial Hollyhock. See page 57.

HUNNEMANNIA

FUMARIAEFOLIA (Bush Escholtzia). 8000 S.

● **Sunlite.** Brilliant canary-yellow, semi-double. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

Hardy Iberis. See page 57.

IMPATIENS

One of our most valuable plants for bedding under shady conditions; also widely used for winter and spring pot plants.

Sultani Dwarf Bright Carmine. Compact and very free flowering.

Sultani Dwarf Mixture. Bright mixture of colors in this dwarf class.

Prices above 2, each: tr. pkt., \$1.25; ½ oz., \$2.00; ¼ oz., \$3.75.

Sultani Hybrids Mixed. Ours is a choice imported strain.

Holsti Hybrids Mixed. Blend of taller growing sorts.

Prices above 2, each: tr. pkt., 50c; ¼ oz., \$1.10; ½ oz., \$2.00.

Holsti Autumn Glow (New). Dwarf plants with brilliant scarlet flowers. Very showy. Tr. pkt., \$1.50; ½ oz., \$3.00; ¼ oz., \$5.75.

KALANCHOE

No plant surpasses Kalanchoe for brilliance of scarlet-red color. While they flower normally in spring, they may be had in bloom for Christmas from a January sowing, if shaded for about 6 weeks starting late August.

● **Brilliant Star.** This hybrid Kalanchoe makes a fine pot plant, producing flowers 3 times the size of the common varieties of a brighter, fiery red color. The attractive foliage is restricted to the base of the plant, permitting the development of clean stems about 12 inches long which are suitable for cutting, especially if benched. Tr. pkt., \$1.75; ¼ oz., \$3.50; ½ oz., \$6.75.

ANNUALS—Continued

KALANCHOE, Continued

● **Tom Thumb.** A dwarf compact strain of this popular succulent. Produces perfectly rounded, symmetrical plants literally covered with bright scarlet flowers. A January or February sowing will provide fine 4-in. specimens for next winter's sales. Tr. pkt., **\$1.50**; 1/128 oz., **\$3.00**; 1/64 oz., **\$5.50**; 1/32 oz., **\$10.00**.

Globulifera Coccinea. The original, rather tall growing Kalanchoe. Culture the same as the above variety but its stronger growth will produce larger plants. Tr. pkt., **60c**; 1/64 oz., **\$1.60**.

KOCHIA (Summer Cypress)

Childsii. 45,000 S. 24 in. Stays a clean fresh green throughout the entire season. Tr. pkt., **15c**; 1 oz., **30c**.

LANTANA

1300 S. Very showy. One of the most satisfactory bedding subjects for areas where summer temperatures are excessive. Must be sown early and with bottom heat.

Dwarf Hybrids Mixed. 12 in. Tr. pkt., **25c**; 1/4 oz., **60c**; 1 oz., **\$1.60**.

Tall Hybrids Mixed. 30 in. Tr. pkt., **25c**; 1/4 oz., **60c**; 1 oz., **\$1.60**.

LARKSPUR

See page 26.

LAVATERA

Splendens, Loveliness. 45,000 S. Very attractive, early flowering annual, with 2-in. Hollywood-like single flowers of a deep salmon-rose shade. Tr. pkt., **20c**; 1/4 oz., **30c**; 1 oz., **\$1.00**.

LEPTOSYNE

Stillmani. 25,000 S. 18 in. Nice golden yellow for cutting. Flowers 6 to 8 weeks from seed. Tr. pkt., **20c**; 1/4 oz., **30c**; 1 oz., **\$1.00**.

LINARIA

MAROCCANA (Miniature Snapdragon).

Fairy Bouquet. 600,000 S. 10 in. Flowers very early and freely. Bright mixture. Tr. pkt., **20c**; 1/4 oz., **50c**; 1 oz., **\$1.75**.

Northern Lights (New). An improved, taller growing Linaria containing several new, bright shades. Tr. pkt., **35c**; 1/4 oz., **\$1.00**; 1 oz., **\$3.00**.

LOBELIA

700,000 S. Where protection from direct sun can be given them and in not too hot climates, Lobelias are unsurpassed for bright blue and white edging, hanging and trailing work.

COMPACTA. 6 in. Of dwarf compact habit.

● **Blue Gown.** Standard free flowering deep blue. Very fine.

Cambridge Blue. Very dwarf, restricted, light blue.

● **Crystal Palace.** Very dwarf deep blue with dark bronzy green foliage. A fine standard variety.

● **Mrs. Clibran Imp.** Deep blue; white eye and light foliage.

Prima Donna. Deep crimson; bronzy green foliage.

White Lady. Clear glistening white.

Prices above 6, each: tr. pkt., **30c**; 1/4 oz., **85c**; 1 oz., **\$3.25**.

Mixture of all colors in the compacta class. Tr. pkt., **25c**; 1/4 oz., **75c**; 1 oz., **\$2.25**.

PENDULA. Of trailing or pendulous habit.

● **Hamburgia.** Deep blue with dark green foliage. Tr. pkt., **40c**; 1/8 oz., **90c**; 1/4 oz., **\$1.60**.

Sapphire. Deep blue with white eye. Light green foliage. Tr. pkt., **40c**; 1/4 oz., **\$1.00**.

Perennial Lobelia. See page 58.

LOVE APPLE

Orange Fruited (*Solanum Aculeatissimum*—New). 2 ft. Long, thorny branches of bright orange fruits about 1 1/2 inches across. When dried makes colorful material for fall floral arrangements. Tr. pkt., **50c**; 1/8 oz., **\$1.75**.

Red Fruited (*Solanum Integrifolium*). 2 1/2 ft. Similar to the above but slightly taller and not thorny, with 1 1/2-inch red fruits. Tr. pkt., **50c**; 1/8 oz., **\$1.75**.

Christmas Cherry. See page 18.

Christmas Pepper. See page 32.

LUPINE

A good spring crop of the annual type can be flowered in 3-in. pots from a January sowing spaced close so as to flower one spike to a plant. We prefer the Giant Kings.

GIANT KING (Improved Hartwegi). 1300 S. Some longer stemmed and earlier flowering than the regular Hartwegi.

● **Oxford Blue.** Standard rich deep blue.

Sky Blue

Heliotrope. A pleasing rosy purple shade.

White

Mixture of above colors.

Prices above 5, each: Tr. pkt., **25c**; 1 oz., **85c**; 4 ozs., **\$2.75**; 1 lb., **\$8.50**.

Pixie Delight. 8 in. Early and free flowering with a complete range of Lupine colors. Uniformly dwarf, and a valuable border plant for localities where Lupines do well outside. Tr. pkt., **35c**; 1/4 oz., **70c**; 1 oz., **\$2.15**.

Perennial Lupine. Polyphyllus, see page 58.

MARIGOLD

See page 27.

MARVEL OF PERU (Mirabilis Jalapa)

Mixture. 325 S. A uniform strain of old-fashioned "Four O'Clocks". Well adapted for bedding or border work and will do nicely under adverse growing conditions. Fine range of bright colors. Tr. pkt., **20c**; 1 oz., **40c**.

MESEMBRYANTHEMUM

Criniflorum (Livingstone Daisy). Spreading plants literally covered with 1-in. flowers in many attractive colors. Needs full sun. Tr. pkt., **50c**; 1/4 oz., **\$1.20**; 1 oz., **\$3.60**.

MICROSPERMA

Golden Tassel. 9-in. plants, with foliage similar to that of a Chinese Primula, supporting upright-growing, trumpet-shaped, bright chrome-yellow flowers 2 inches across. Tr. pkt., **50c**.

MIGNONETTE

27,000 S. May be sown in January for spring cutting; delightfully fragrant.

● **Ball Forcing Strain.** Earliest and whitest variety. 1/2 tr. pkt., **60c**; tr. pkt., **\$1.00**; 1/4 oz., **\$2.00**.

MACHET. For summer bedding.

Golden Goliath

Goliath Red

Prices above 2, each: tr. pkt., **20c**; 1/4 oz., **30c**; 1 oz., **\$1.00**.

MIMOSA

Pudica (Sensitive Plant). 4500 S. Tr. pkt., **30c**; 1/4 oz., **50c**; 1 oz., **\$1.50**.

MIMULUS

(Monkey Flower) 400,000 S.

Moschatus (Musk Plant). 6-in. plants with fragrant yellow flowers. Tr. pkt., **25c**; 1/64 oz., **\$1.00**.

Tigrinus. Mixture of large flowers. Tr. pkt., **25c**; 1/32 oz., **75c**.

MOONFLOWER (Ipomoea Noctiflora)

110 S. Large flowered white Moonflower.

Black-Seeded

White Seeded

Prices above 2, each: tr. pkt., **20c**; 1 oz., **45c**; 4 ozs., **\$1.50**; 1 lb., **\$4.00**.

Annual Larkspur

(8,000 seeds per oz.)



WHITE SUPREME

We consider White Supreme the finest of the new long-stemmed white Larkspurs.

REGAL TYPE

Regal White. Heavily doubled, pure white flowers are borne on compact spikes.

● **Regal Rose.** Rich, deep rose with fine, heavy spikes and large, double florets.

● **Regal Salmon-Pink.** See "7 Best" above.

Prices above 3, each: tr. pkt., 40c; ½ oz., \$1.10; 1 oz., \$2.00; 4 ozs., \$6.50; 1 lb., \$20.00.

SUPER MAJESTICS

Extra vigorous growth with long stems and long spikes of fully double flowers.

● **Deep Carmine.** Rose, flecked white.

● **Deep Salmon-Pink.** Medium deep rose.

● **Lavender.** See 7 Best, above.

● **Light Blue.** See 7 Best, above.

● **Rose-Pink.** Excellent, medium pink.

● **Rosy Mauve.** Rich lilac shade.

● **White.** Long stemmed pure white.

● **Mixture** of above and other colors.

Prices above 8, each: tr. pkt., 30c; ½ oz., 70c; 1 oz., \$1.25; 4 ozs., \$4.00; 1 lb., \$13.00.

For Early Summer Cut Flowers Outdoors: If you failed to make an outdoor sowing last fall, almost as good results can be had from a spring sowing—if you get your seed in the ground just as soon as the frost is out of it.

Under Glass—Spring Flowering: For indoor growing, Larkspur is a nice crop to follow late Mums. Well started 3-inch banded or potted plants should be ready, and are produced by a December or January sowing. Space at least 12x12 in. on ground; 10x10 in. on raised beds should be ample. The after-Mum planting is generally started out cool, 40° to 45° nights, increasing to 50° or more with spring weather.

Varieties: Many new varieties have been introduced within the past few years—some excellent, others rather ordinary. We've tried all of them, and have made up our "7 Best" list based on our observations. If you're not familiar with the newer sorts we suggest that you confine the bulk of your planting to the "7 Best."

"7 BEST"

Don't be alarmed if our recommendations in this "7 Best" list change from year to year. Reason: several capable plant breeders are doing good work on Larkspur. The changes are **always** improvements when they reach our 7 Best list. This list is based on our greenhouse flowering trials. Generally strains which are found best under glass seem also best adapted to outdoor culture.

● **Salmon Supreme.** Medium deep rose; heavy, fully double spikes.

● **Dark Blue Supreme.** Deep violet-blue; improves Blue Spire.

● **White Supreme.** The most vigorous white according to our trials.

● **Regal Salmon-Pink.** Best in its color class; extra large florets.

Prices above 4 each: tr. pkt., 40c; ½ oz., \$1.10; 1 oz., \$2.00; 4 ozs., \$6.50; 1 lb., \$20.00.

● **Super Majestic Light Blue.** An excellent light blue; outstanding.

● **Super Majestic Lavender.** Beautiful orchid-lavender; a rich color.

● **Giant Imperial Brilliant Rose.** The standard deep rose; fully double.

● **7 Best Mixture.** Blended by formula from these 7 varieties.

Prices above 4, each: tr. pkt., 30c; ½ oz., 70c; 1 oz., \$1.25; 4 ozs., \$4.00; 1 lb., \$13.00.

SPECIAL OFFER: One tr. pkt. each of above 7 varieties for \$2.35.

GIANT IMPERIALS

(Base Branching)

● **Blue Bell.** Shades of light blue.

● **Blue Spire.** Fine violet-purple.

● **Brilliant Rose.** See 7 Best, above.

● **Exquisite Pink Imp.** Fine medium pink.

● **Gloria Imp.** Medium rose shades.

● **Lilac King.** Rich, deep bluish lavender.

● **Lilac Queen.** Orchid; lighter and rosier than Lilac King.

● **Los Angeles Imp.** Salmon-rose.

● **Rosalind.** Vigorous, medium pink.

● **Rosamond.** Excellent deep rose. This is a Stock-Flowered variety.

● **Sweet Lavender.** A good lavender.

● **White Cockade.** Good pure white.

● **White King.** Standard white.

● **Formula Mixture** of Giant Imperials.

Prices above 14, each: tr. pkt., 30c; ½ oz., 70c; 1 oz., \$1.25; 4 ozs., \$4.00; 1 lb., \$13.00.

SUPREMES

A vigorous growing, base branching class with large spikes of fully double flowers. Compares favorably with the Super Majestics in stem length and spike quality.

● **Dark Blue Supreme.** See 7 Best, above.

● **Lilac Supreme.** Good rosy lavender.

● **Rose Supreme.** Clear deep rose.

● **Salmon Supreme.** See 7 Best, above.

● **White Supreme.** See 7 Best, above.

● **Supreme Mixture.** All Supreme colors.

Prices above 6, each: tr. pkt., 40c; ½ oz., \$1.10; 1 oz., \$2.00; 4 ozs., \$6.50; 1 lb., \$20.00.

HYACINTH-FLOWERED

Produces one long non-branching spike.

Dark Blue	Lavender	Pink
Purple	White	Mixed

Prices above 6, each: tr. pkt., 40c; ½ oz., \$1.00; 1 oz., \$1.80; 4 ozs., \$5.50; 1 lb., \$18.00.

Dwarf (Bedding) Marigolds

(9000 seeds per oz.)

"SIX BEST" FOR BEDDING

- **Spry.** Extra dwarf and free flowering. Medium small Anemone type with golden crest and dark red guard petals.
- **Ball Dwarf Harmony.** The medium small Anemone type flowers of this fine dwarf variety present a striking contrast in bright orange and velvety maroon.
- **Butterball.** A very choice, fairly dwarf, Anemone-flowered variety. Crest and guard petals a light golden or butter-yellow faintly tipped with maroon.
- **Sunkist.** Uniformly dwarf and compact with solid, deep golden orange, Anemone type flowers about an inch in diameter.
- **Yellow Pygmy.** Excellent, very free flowering dwarf Marigold, 6 to 8 in. Double lemon-yellow and practically 100% true.
- **Scarlet Glow.** Bright bronzy red, double flowers 1½ to 2 inches across are borne on dwarf plants.

6 Best Dwarf Mixed. Our own carefully balanced mixture of the above varieties.

Prices above 7, each: tr. pkt., 30c; ¼ oz., 55c; 1 oz., \$1.85; 4 ozs., \$6.00.



CUPID ORANGE

A new shade for Cupid, the ideal all-purpose dwarf Marigold. Useful for combinations, sells on sight in a pot, and does beautifully for borders and edging.

OTHER BEDDING VARIETIES

Doubles

Cupid Orange (New—pictured above). Identical to the popular Cupid Yellow except for its orange flowers. Tr. pkt., 50c; ⅓ oz., 90c; ¼ oz., \$1.75; 1 oz., \$5.00.

- **Cupid Yellow.** Dwarf in habit with 2-inch primrose-yellow Chrysanthemum-like flowers. Odorless foliage.

Cupid Mixed (New). Mixture of orange, gold and yellow shades.

Prices above 2, each: tr. pkt., 40c; ⅓ oz., 80c; ¼ oz., \$1.50; 1 oz., \$4.50.

Color Magic (New—see photo below). Bushy growing plants, similar in habit to the popular Spry, but with fully double, 1½ inch flowers in rich shades of yellow and orange irregularly marked dark red. Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.00.



COLOR MAGIC

Harmony Hybrids. A mixture of colors in this dwarf double type. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75; 4 ozs., \$5.00.

- **Sunny.** Similar to Naughty Marietta, but with single, clear yellow flowers. Tr. pkt., 30c; ¼ oz., 55c; 1 oz., \$1.85; 4 ozs., \$6.00.

Golden Harmony. Very similar to Harmony in flower type and habit but a solid bright golden yellow.

- **Harmony.** Attractive Anemone type flowers with orange crest and maroon guard petals.

Melody. A solid clear brilliant orange Anemone-flowered type.

Pot O' Gold. Deep orange. Large flowers loosely formed with full centers and broad, overlapping petals. 12 to 15 inches.

- **Primrose** (Improved Pallida). Dwarf plants with fully double flowers an inch in diameter. Color is a rich golden yellow.

Robert Beist. Dwarf double, deep rich mahogany-red. Nice.

Royal Scot. Fully double flowers striped gold and mahogany.

- **Dwarf French Double Mixed.** Mixture of dwarf double sorts.

Monarch Mixed. A bright mixture of fully doubles.

Prices above 9, each: tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

Rusty Red (New). Large, rust-red, fully double flowers, 2 inches across, are freely borne on medium dwarf plants. Try this in place of Robert Beist.

Tangerine. 2-inch double flowers of bright tangerine-orange. About 15 inches tall.

Prices above 2, each: tr. pkt., 50c; ¼ oz., \$1.50; 1 oz., \$4.50.

Single Varieties

- **Naughty Marietta.** An improved Legion of Honor. Semi-dwarf, bushy plants with finely netted leaves. Freely produces 2-inch, single, golden yellow flowers, each with an attractive dark red eye. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75; 4 ozs., \$5.50.

- **Firecross.** Dwarf single. Orange with brown center.

- **Flash.** Single mahogany flowers with golden yellow margins are freely produced on medium dwarf plants.

- **Gnome** (Little Giant Improved.) Ball-shaped plants with fern-like foliage. Plants are covered with small, single, bright yellow, orange-eyed flowers.

Red Head. A fairly dwarf Anemone-flowered variety with orange crest, tipped maroon, and copper-red to mahogany guard petals.

Dwarf Single Formula Mix (New). Formula mixture.

Prices above 5, each: tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

Your customers will ask for the new varieties—be ready for them.



BALL ALL-DOUBLE LEMON (top)
BALL ALL-DOUBLE ORANGE (below)

Tall (Cutting) Marigolds

(10,000 seeds per ounce)

Most any grower will find a spring crop of cut-flower Marigolds quite profitable. A January or February sowing, spaced about 4x5 inches and grown single stem, will flower April and May. The All-Doubles and Carnation-Flowered types are most popular, but be sure and include some of the Chrysanthemum-flowered Mission Giants for their excellent novelty value.

"FIVE BEST" FOR CUTTING

- **Ball Giant Orange.** Similar in type to All-Double Orange but somewhat larger flowered and of a more uniform deep, bright orange color. This in our opinion, is the most profitable cut-flower variety on the list.
- **All-Double Orange.** This belongs to the Fistulosa or large flowered, solid quilled-petal type. Produces nearly 100% double flowers, being preferred to Prince of Orange on this account. An excellent, long stemmed cut-flower strain.
- **All-Double Lemon.** Identical to the above, but a clear lemon-yellow.
- **Gold Improved.** The popular Carnation-flowered intense orange with odorless foliage. Excellent for greenhouse forcing.
- **Yellow Supreme.** Similar to Gold Improved but with flowers a rich creamy yellow. Odorless foliage.

Five Best Cutting Mixture. Our own carefully compounded formula mixture of the above varieties balanced according to their commercial value.

Prices above 6, each: tr. pkt., 30c; ¼ oz., 55c; 1 oz., \$1.75; 4 ozs., \$6.00.

OTHER CUT-FLOWER VARIETIES

- **Guinea Gold.** A Carnation-flowered golden orange; long-stemmed. Freely produces loosely-petalled 3-inch flowers.
 - Lemon Queen Improved.** Same as Prince of Orange but a bright lemon-yellow.
 - Orange Sunset.** A deep golden orange selection from Sunset Giants. A first class variety.
 - Riverside Beauty (New).** Large, sulphur-yellow flowers with fluted and ruffled petals.
 - **Sunset Giants.** An extra large Carnation-flowered strain. Long-stemmed and the largest flowered variety we know of. Ranges from lemon to deep orange and is around 65% to 75% true to type.
 - **All-Double Mixture.** A mixture of All-Double Orange and Lemon, with some intermediate shades.
- Prices** above 6, each: tr. pkt., 30c; ¼ oz., 55c; 1 oz., \$1.75; 4 ozs., \$6.00.
- Fluffy Ruffles (New).** 24 in. Similar to Frills, but larger flowered. Rather late blooming in our '52 trials. Tr. pkt., 40c; ¼ oz., \$1.40; 1 oz., \$4.20.

ODORLESS VARIETIES

(See also Yellow Supreme and Gold Improved in 5 Best.)

- Crown of Gold.** Small golden yellow crested flowers; odorless.
 - **Golden Supreme.** A golden yellow Carnation-flowered Marigold. Color between Gold Improved and Yellow Supreme. Odorless.
 - **Frills.** 2 ft. Large flowered golden orange with petals attractively frilled and waved. Very graceful appearance. Useful for cutting. Odorless.
- Prices** above 3, each: tr. pkt., 30c; ¼ oz., 55c; 1 oz., \$1.75; 4 ozs., \$6.00.
- **Odorless Carnation-Flowered Mixture.** Ranges in color from deep orange to light yellow. Carnation-flowered. Tr. pkt., 30c; ¼ oz., 55c; 1 oz., \$1.65; 4 ozs., \$5.50.

Chrysanthemum-Flowered Types

Glitters. Large, Chrysanthemum-like flowers of soft golden yellow on long, strong stems. Long blooming period. Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.00.

- **Happiness.** Early, and blooms very profusely with 2½ in. 'Mum-type flowers of rich golden yellow produced throughout the summer. The bushy growth makes a fine bedding show. Height 16 to 18 in. Tr. pkt., 40c; ¼ oz., 75c; 1 oz., \$2.50.

Mammoth Mum. The largest of the Chrysanthemum-flowered Marigolds. Light sulphur-yellow. Tr. pkt., 40c; ¼ oz., 90c; 1 oz., \$3.00.

- **Limelight.** Primrose-yellow, Chrysanthemum-like flowers, 2 inches across, are freely produced on 20-inch plants. Tr. pkt., 30c; ¼ oz., 55c; 1 oz., \$1.75; 4 ozs., \$6.00.

Mission Giants

Produces almost perfect ball-shaped, Chrysanthemum-like blooms about 3 inches in diameter. Exceptionally vigorous and free branching in growth and well suited for either spring greenhouse or outdoor culture.

- **Goldsmith.** A very attractive light golden orange in this popular class. Tr. pkt., 35c; ¼ oz., 75c; 1 oz., \$2.50.
- **Yellowstone.** Same as above but a pleasing clear yellow. Tr. pkt., 35c; ¼ oz., 75c; 1 oz., \$2.50.

Mission Giant Mixed. A well-balanced mixture in this new type; ranges from deep orange to light yellow. Tr. pkt., 30c; ¼ oz., 55c; 1 oz., \$1.75; 4 ozs., \$6.00.

Winter Flowering

This class is for winter flowering from a fall sowing and will not flower during summer.

Colorado Sunshine (New). Loosely formed, double, 3-4 inch, butter-yellow, Fistulosa type flowers. Classed as a winter flowering variety, but it is also fine for outdoor culture. Tr. pkt., 50c; ¼ oz., \$1.50; 1 oz., \$4.50.

Lieb's Brown and Gold. Golden yellow crest, with mahogany guard petals.

Lieb's Winter Sunshine. Solid golden yellow.

Prices above 2, each: tr. pkt., 30c; ¼ oz., 55c; 1 oz., \$1.75; 4 ozs., \$6.00.

Golden Trumpet. Odorless. Pure yellow; outer petals are bell-shaped and stand out individually. Tr. pkt., 35c; ¼ oz., 80c; 1 oz., \$2.40.

ANNUALS—Continued

MORNING GLORY (Ipomoea)

These vines are easily grown and most varieties are profuse bloomers if grown in soil of low fertility and not over-watered.

- **Blue Star.** 650 S. Clear, light blue with 5 mid-blue stripes radiating from near throat to petal tips. Tr. pkt., 40c; ¼ oz., 80c; 1 oz., \$2.40.

- **Crimson Rambler.** Freely produced flowers are a bright crimson-red with white throat. A vigorous grower, but flowers are somewhat smaller than the following 2 varieties. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., 90c.

- **Pearly Gates.** A fine, clear white Morning Glory with slight cream shading to throat. Similar to the popular Heavenly Blue in habit but not quite as early flowering. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.65; 4 ozs., \$5.50.

- **Heavenly Blue.** 650 S. Clark's Mammoth Early Free Flowering Strain. The popular bright blue shade that is a solid sheet of vivid color all summer. Can be forced into flower for spring sales in 3- or 4-in. pots from a sowing made 8 to 10 weeks previously. Tr. pkt., 20c; 1 oz., 75c; 4 ozs., \$2.25.

Cornell. A large flowered, bright carnelian red with white edge. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.65.

Scarlett O'Hara. 650 S. Vivid crimson-scarlet. Tr. pkt., 20c; ¼ oz., 45c; 1 oz., \$1.25.

MYOSOTIS (Forget-Me-Not)

- **Ball Early.** 44,000 S. Free flowering, spring blooming plants of this always popular bright blue flower can be had from a sowing made as late as January. Our early flowering strain should not be confused with the other types listed with the perennials. Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.25.

Hardy Myosotis. See page 58.

NASTURTIUM

No retail grower should be without at least a small greenhouse planting of double Nasturtiums. Their richly colored, long-stemmed, fragrant flowers are valuable for cutting and the dwarf type is well suited for combinations or window boxes.

DOUBLE GLEAM TYPE. 175 S. Of trailing or climbing habit. Vigorous growers; fine for cutting or window boxes.

- **Golden Gleam.** The original Gleam Nasturtium; golden yellow.

- **Scarlet Gleam.** Same as preceding but a brilliant scarlet.

- **Gleam Hybrids.** A brilliant mixture of all double varieties.

Prices above 3, each; 1 oz., 30c; 4 ozs., \$1.00; 1 lb., \$3.00.

DWARF DOUBLE TYPE. 175 S. Fully as double and large as the Gleam type, the following varieties are of a very attractive, dwarf compact, rounded growth. 12 to 15 in. high.

- **Golden Globe.** Same color as Golden Gleam.

Scarlet Gem. Brilliant scarlet.

Mixture of all colors in this dwarf class.

Prices above 3, each: 1 oz., 35c; 4 ozs., \$1.20; 1 lb., \$3.60.

- **Cherry Rose.** Bright, new color. Very compact and exceptionally free flowering. 1 oz., 35c; 4 ozs., \$1.20; 1 lb., \$3.60.

SINGLE VARIETIES. 225 S.

Dwarf Mixture of all colors in the dwarf class.

California Giant Single Mixture of colors in the tall, trailing class.

Prices above 2, each: 1 oz., 30c; 4 ozs., \$1.00; 1 lb., \$3.00.

NEMOPHILA

INSIGNIS (Baby Blue Eyes). 16,000 S.

Blue. Small, brightly colored flowers are borne in profusion on 6-in. plants. Tr. pkt., 20c; 1 oz., 45c.



NIEREMBERGIA PURPLE ROBE

NEMESIA (Strumosa Suttoni)

GRANDIFLORA. 90,000 S. Large flowered and long-stemmed. 14 to 16 in. Fine for spring cutting and combination work.

Mixture of all colors in this tall class. Tr. pkt., 25c; ⅛ oz., 60c; ½ oz., \$2.00.

NANA COMPACTA. Of more dwarf habit, 6 to 8 in.

Blue Princess (New). Blue.

White Queen (New). White.

Fire King (New). Cerise-scarlet.

Orange Prince. Rich orange.

Triumph Mixed. A very attractive mixture with a wide range of colors.

Prices above 5, each: tr. pkt., 35c; ⅛ oz., 75c; ½ oz., \$2.50.

NICOTIANA (Flowering Tobacco)

275,000 S. Sweet scented and showy.

- **Suaveolens** (Orange Blossom). 18 in. A dwarf and compact small-flowered white. Tr. pkt., 30c; ¼ oz., 85c.

AFFINIS.

- **Crimson Bedder.** 15 in. Compact, very free flowering. Deep crimson-red. Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$2.00.

White. 36-in. Large flowered. Tr. pkt., 20c; 1 oz., 75c.

Hybrids Mixture. A hybrid mixture of many shades in the tall large flowered type. Tr. pkt., 20c; 1 oz., 75c.

- **Sensation Mixed** (Daylight Strain). 24 in. The flowers of these new Nicotiana hybrids have the unique feature of remaining open all day, even in brilliant sunshine. They have the same delightful evening scent as the older types, while the colors range from white through many shades of cream and pink to purple and deep crimson. Plants are bushy in habit, making them ideal for bedding. Tr. pkt., 40c; ¼ oz., \$1.00; 1 oz., \$3.25.

NIEREMBERGIA

- **Purple Robe.** 5500 seeds per ⅓ oz., A first class bedding or edging plant. The 1-inch, deep violet-blue flowers are lavishly produced on dwarf plants throughout the summer. Retains its brilliance without fading under strong sunlight. Tr. pkt., 50c; ⅓ oz., \$1.75; ⅓ oz., \$3.25.

NIGELLA

Miss Jekyll (Love-in-a-Mist). 11,000 S. Cornflower-blue. Tr. pkt., 30c; 1 oz., \$1.00.

Grow Profitable Pansies

(25,000 seeds per oz.)

"FOUR BEST"

● **Ball Giant Mixture.** This is our finest and most popular bedding Pansy mixture. We blend this ourselves, using the best available strains of Swiss Giants, adding separate varieties to insure a good balance of colors. Tr. pkt., **65c**; 1/8 oz., **\$1.40**; 1/4 oz., **\$2.75**; 1 oz., **\$9.00**; 4 ozs., **\$33.00**.

● **Canadian Giants.** This selection from Maple Leaf Giants contains some of the largest flowers in Pansies. Tr. pkt., **\$1.00**; 1/8 oz., **\$1.85**; 1/4 oz., **\$3.30**; 1 oz., **\$11.00**.

Roggli Giant Mixture. A choice Swiss bedding strain, predominating in rich red and bronze shades. We supply originator's imported seed. Tr. pkt., **\$1.50**; 1/8 oz., **\$3.75**; 1/4 oz., **\$7.00**; 1 oz., **\$22.00**.

Steele's Jumbo Mixture. We handle the originator's seed of this popular American strain. Tr. pkt., **\$1.25**; 1/8 oz., **\$3.35**; 1/4 oz., **\$5.60**; 1/2 oz., **\$9.75**; 1 oz., **\$17.75**.

America. An exceptionally free flowering mixture with medium sized blooms. Dwarf and extra early. Tr. pkt., **65c**; 1/4 oz., **\$2.75**; 1 oz., **\$10.00**.

● **Ball Giant Mixture Dwarf Strain.** A fine Swiss Giant strain selected for dwarf and compact habit. Tr. pkt., **65c**; 1/8 oz., **\$1.40**; 1/4 oz., **\$2.75**; 1 oz., **\$9.00**; 4 ozs., **\$32.00**.

● **Ball Winter Flowering.** A tall growing winter cut-flower variety; at its best from a late summer sowing. Not for bedding. 1/2 tr. pkt., **65c**; tr. pkt., **\$1.10**; 1/8 oz., **\$2.75**; 1/4 oz., **\$5.00**.

Blue Butterfly. Blue and white. An improved Lord Beaconsfield. Tr. pkt., **\$1.00**; 1/8 oz., **\$2.75**; 1/4 oz., **\$5.00**; 1 oz., **\$15.00**.

● **Butterfly Hybrids.** Ruffled 2 1/2-3-in. flowers, including unusual apricot, terra cotta and rosy orchid shades, are freely produced on vigorous plants. Originator's seed only. Tr. pkt., **\$1.25**; 1/16 oz., **\$2.25**; 1/8 oz., **\$4.00**; 1/4 oz., **\$7.00**; 1/2 oz., **\$12.50**; 1 oz., **\$22.50**.

● **Engelmann's Giant Mixture.** A large flowered and brightly colored strain, many being penciled or veined. Fairly compact growth. We offer originator's seed only. Tr. pkt., **\$1.00**; 1/4 oz., **\$4.00**; 1 oz., **\$14.00**.

● **Felix.** Many colors, all with vividly contrasting black-veined throats. Tr. pkt., **\$1.25**; 1/8 oz., **\$3.00**; 1/4 oz., **\$5.50**; 1 oz., **\$16.00**. SEE BELOW.

Fluffy Ruffles. The medium sized flowers of this imported strain are attractively ruffled and frilled, and the color range is varied and appealing. Tr. pkt., **65c**; 1/4 oz., **\$2.75**; 1 oz., **\$9.00**.

Geneva Giants. A taller, more vigorous-growing American strain of Swiss Giants. Tr. pkt., **85c**; 1/4 oz., **\$3.00**; 1 oz., **\$10.00**.

Improved Swiss Giants. Predominates in rich bronze and red shades. Tr. pkt., **65c**; 1/4 oz., **\$2.75**; 1 oz., **\$9.00**.

"101" Giant Mixture. A choice bedding and basket Pansy of the "English" type. Large flowers in a wide color range on compact plants. Tr. pkt., **75c**; 1/8 oz., **\$2.00**; 1/4 oz., **\$3.50**; 1 oz., **\$12.00**.

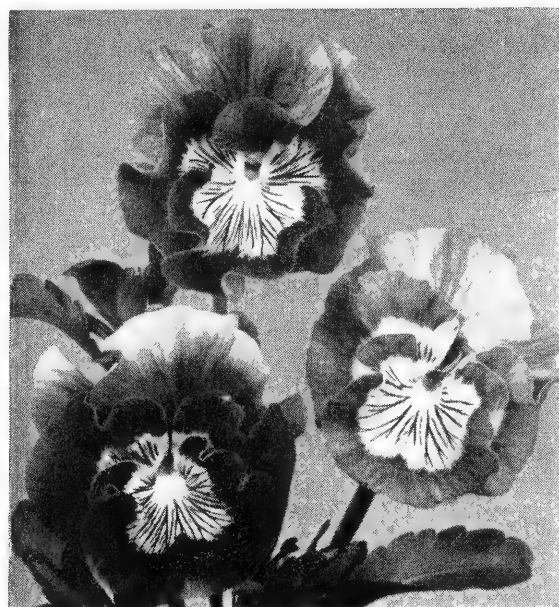
Maple Leaf Giants. An excellent, extra large flowered strain. Heavy growth with good stems. Tr. pkt., **65c**; 1/8 oz., **\$1.65**; 1/4 oz., **\$3.00**; 1 oz., **\$10.00**.

Oregon Giants. (New). A complete mixture of long-stemmed, large flowered Giant Ruffled Pansies. Originator's seed. 200 seeds, **50c**; 600 seeds, **\$1.25**; 1/4 oz., **\$4.00**; 1 oz., **\$12.00**.

● **Ruffled Rainbow.** An unusually uniform dwarf mixture characterized by medium large flowers with distinctly ruffled petals and a wide range of colors. Absolutely no "culls." Tr. pkt., **\$1.00**; 1/8 oz., **\$2.75**; 1/4 oz., **\$5.00**; 1 oz., **\$15.00**.



Tigress. "Miniature Pansies." The flowers of this European novelty are produced in great abundance, and the effect is most unusual. Reds, yellows, orchids and purples in novel striped and blotched arrangements of at least 3 colors create a striking appearance. This also has a very distinct and fine fragrance. Mats and posters available on request. Tr. pkt., **50c**; 1/4 oz., **\$1.75**; 1 oz., **\$5.00**.



... the "NEW LOOK" in Pansies

Introduced by us in 1950 and enthusiastically accepted by garden magazine writers and home gardeners alike. For the first time we have sufficient seed to fill all orders and to give it nationwide publicity thru magazines and newspapers in spring of '53.

Felix is a large flowered, characteristically "whiskered" Pansy in many color combinations. Vigorous plants. **The first real novelty in Pansies in a decade.** Tr. pkt., **\$1.25**; 1/8 oz., **\$3.00**; 1/4 oz., **\$5.50**; 1 oz., **\$16.00**.

Lithographed Retail Packets. We can furnish retail packets to sell for 50c each. Cost to you only 20c each. No orders for less than 10 packets. Display carton furnished with 50 packets. 10 Lithographed Retail Packets of Felix Pansy, **\$2.00**.

Get **your** share of the sales. Offer the one novelty in Pansies. We will help you with **free posters, advertising mats and labels on request.** We can furnish cuts and lithographed envelopes at cost.



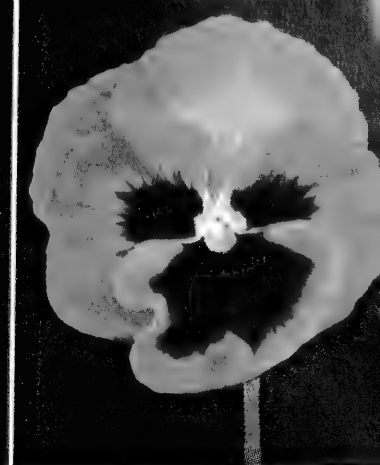
TIGRESS



ALPENGLOW



MONT BLANC



RASPBERRY ROSE

Sell Separate Color Pansies

Alpenglow. Mahogany with dark center.

Berna. Dark velvety blue.

- **Coronation Gold.** The finest, clear golden yellow.

- **Delft Blue.** Porcelain-blue; a prized and unusual Pansy color. Flowers rather small. Particularly free flowering.

Firebeacon. Bright, flaming orange with dark center.

Giant Orange. Light orange; similar in color to Viola Apricot.

Jet Black. 80% of the flowers are a true black thruout the spring, the purple undertone not becoming apparent until hot weather. Unusual grown with white Pansies. Typical Swiss flower size.

- **Lake of Thun.** Large flowered blue with darker center.

Mont Blanc. Ivory-white with small yellow eye.

- **Raspberry Rose.** Soft pink with contrasting velvety blotch in deeper tone.

Rhinegold. Large flowered yellow with dark center.

Prices above 11, each; tr. pkt., 80c; 1/8 oz., \$2.00; 1/4 oz., \$3.50; 1 oz., \$11.00.

Mrs. Scott (New). White upper petals with deep blue lower petals. An improved Lord Beaconsfield. Extremely free flowering. Tr. pkt., 50c; 1/4 oz., \$1.75; 1 oz., \$5.00.

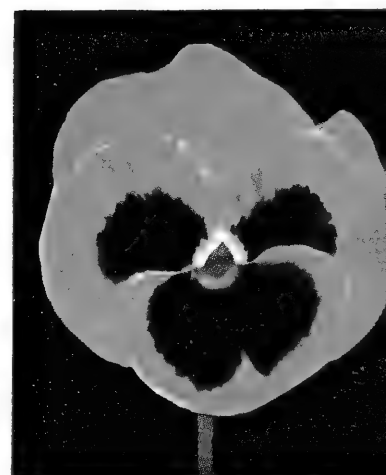
Paper White (New). A pure white, rather than the ivory shade of Mont Blanc, with small yellow eye. Very outstanding in our trials. Tr. pkt., \$1.00; 1/8 oz., \$3.00; 1/4 oz., \$5.00; 1 oz., \$18.00.

Originator's Separate Colors

We have definitely proved by thorough comparative flowering trials at West Chicago the general superiority of these originator-grown Swiss Giant Pansies. For flower size, uniformity of color and habit, they are the finest separate color Pansies available.

- **Eiger** (Rhinegold).
- **Hohenfeuer** (Firebeacon).
- **Blumlisalp** (Raspberry Rose).
- **Berna** (Specify originator's seed).
- **Alpengluhn** (Alpenglow).
- **Jungfrau.** White.
- **Thunersee** (Lake of Thun).
- **Monch** (Coronation Gold).
- **Roggli Giant Mixture** (See 4 best, opposite page.)

Prices above 9 varieties, each: tr. pkt., \$1.50; 1/8 oz., \$3.75; 1/4 oz., \$7.00; 1 oz., \$22.00.



RHINEGOLD



LAKE OF THUN

QUALITY PANSIES

are grown in Plant Bands!

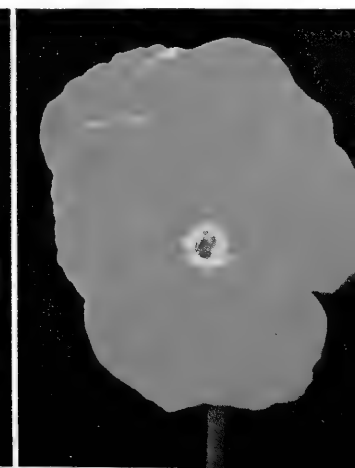
Sown from January 1 to February 1 in the central and northern states, they will make fresh, vigorous-looking plants showing one or more flowers in April. Hold plants below 50° after transplanting into bands or PlanTrays. Use soil low in nitrates. The different, healthy appearance compared to "basket" Pansies will double your profit, and give your customers earlier and better looking plants. Try it for yourself! See page 48.



DELFT BLUE (below)



CORONATION GOLD (below)





PHLOX GLOBE

An entirely new annual Phlox. Plants branch fully from the base of the plant, creating a beautifully rounded, uniform shape. This fullness of plant form is striking, and the vital distinction between Globe and other annual Phlox. Very showy and excellent for bedding.

PASSIFLORA

Coerulea (Passion Flower). Greenhouse climber with large, blue flowers surmounted by a purple and white crown. Tr. pkt., 40c; 1/8 oz., 90c; 1/4 oz., \$1.65; 1 oz., \$5.00.

PENTSTEMON (Beard Tongue)

Sensation Mixture. 55,000 S. 2 ft. Attractive bell-shaped flowers produced on good spikes in an exceptional range of colors. Much used for bedding or in borders. Used as an annual or perennial. Tr. pkt., 40c; 1/4 oz., \$1.00; 1 oz., \$3.25.

PEPPER, CHRISTMAS (Capsicum)

9,000 S. Sow April to June and carry along indoors for Christmas.

Ball Christmas Pepper. Compact plants with a profusion of cone-shaped fruit that is first green, later turning purple and then red. Tr. pkt., 50c; 1/4 oz., \$1.50; 1 oz., \$4.75.

● **Candle Pepper.** (Craigi Christmas Pepper). Similar to Ball Christmas Pepper, but the plants are smaller leaved. Small fruit, very freely produced well above the foliage, turns from white to brilliant red. Tr. pkt., 50c; 1/4 oz., \$1.50; 1 oz., \$4.75.

Cherry, Christmas. See page 18.

Love Apple. See page 25.

PETUNIAS

See pages 2 to 9.

PLUMBAGO

Capensis. 2000 S. 1 1/2-inch flowers of clear azure-blue are borne on terminal spikes. 100 seeds, 90c; 1000 seeds, \$8.00.

ANNUALS—Continued

PHLOX DRUMMONDI

14,000 S. Annual Phlox are among our most showy bedding items and are more popular today than ever before. Because they don't transplant well, seed should be sown direct in small pots or plant bands, or drilled outside.

● **Globe Mixed.** ALL-AMERICA SELECTION (New). Pictured at left. Plants branch fully from the base of the plant, creating a beautifully rounded, uniform shape. Very showy and excellent for bedding. Tr. pkt., 75c; 1/8 oz., \$2.50; 1/4 oz., \$4.50; 1 oz., \$15.00.

GRANDIFLORA. 15 to 18 in. Fine, free flowering bedding and border material. Also nice for cutting.

● **Chamois Rose.** Light creamy pink with white center.

Coccinea. Crimson-red.

Isabellina. Light creamy yellow.

Lilac with white eye.

● **Rosea.** Medium rose-pink.

Violet. Try this with white or yellow.

● **White.** A clear, even white.

Prices above 7, each: tr. pkt., 40c; 1/4 oz., 80c; 1 oz., \$2.50.

Special Mixture of all colors in this tall class. Tr. pkt., 30c; 1/4 oz., 60c; 1 oz., \$2.00.

Cuspidata Mixture (Star of Quedlinburg). A mixture of star-shaped flowers. Tr. pkt., 30c; 1/4 oz., 60c; 1 oz., \$2.00.

GRANDIFLORA GIGANTEA. Somewhat stronger in growth and larger flowered than the above.

● **Red Glory.** A bright red with large contrasting white eye.

Rosy Morn. A particularly bright, clear rose-pink with large white eye.

Salmon Glory. Rich, soft salmon with white eye.

Art Shades Mixture. Mixture of pastel shades; white eyes.

Prices above 4, each: tr. pkt., 45c; 1/4 oz., \$1.10; 1 oz., \$3.30.

NANA COMPACTA. 6 to 8 in. Of dwarf compact growth, fine for low bedding and border work.

● **Fireball.** A real fiery scarlet.

Sky Blue. Clear soft blue with white eye.

● **Snowball.** Good clear white.

Violet. An attractive, rich color.

Prices above 4, each: tr. pkt. 40c; 1/4 oz., \$1.00; 1 oz., \$3.25.

Mixture. Dwarf mix. Tr. pkt., 35c; 1/4 oz., \$1.00; 1 oz., \$3.00.

Beauty Mixed (Sutton's). A compact and very free flowering strain with large blooms. Excellent for pot plants, combinations or bedding. Tr. pkt., 45c; 1/4 oz., \$1.10; 1 oz., \$3.30.

● **Cecily Mixed.** A very popular semi-dwarf mixture. Tr. pkt., 35c; 1/4 oz., \$1.00; 1 oz., \$3.00.

Pinks. See Dianthus, pages 22 and 55.



SAINTPAULIA BLUE FAIRY TALE

This is an exceptionally free flowering, fast growing strain of blue Violet which is imported from Europe. SEE NEXT PAGE.

ANNUALS—Continued

POPPY

Pierrot. 12-18 in. A vivid scarlet-red with jet-black petal markings, unusually free blooming. Tr. pkt., **30c**; $\frac{1}{4}$ oz., **60c**; 1 oz., **\$2.00**.

ICELAND (P. Nudicaule). 250,000 S. The standard type for spring greenhouse forcing. Sow either direct or in pots and transplant.

The Emperor. Brilliant orange. Good flower size and long stiff stems. Tr. pkt., **30c**; $\frac{1}{4}$ oz., **90c**; 1 oz., **\$2.75**.

● **Sanford's Giants.** A fine standard hybrid strain. Brilliant color mixture. Tr. pkt., **25c**; $\frac{1}{4}$ oz., **75c**; 1 oz., **\$2.50**.

SHIRLEY (P. Rhoëas) 70,000 S.

Formula Mixture of all colors in the single Shirley class. Tr. pkt., **20c**; 1 oz., **50c**.

Double Mixed. Shirley Hybrids. Tr. pkt., **25c**; $\frac{1}{4}$ oz., **75c**; 1 oz., **\$2.25**.

Oriental Poppies. See page 59.

PORTULACA (Moss Rose)

280,000 S. Very excellent, easily grown outdoor bedding plant. Will flower 30 to 45 days from sowing in late spring or early summer.

Single Mixture. Tr. pkt., **25c**; $\frac{1}{4}$ oz., **70c**; 1 oz., **\$2.35**.

● **Double Mixture.** Special mixture of brilliant colors. Produces 85 to 90% true double flowers. Tr. pkt., **30c**; $\frac{1}{4}$ oz., **\$1.25**; 1 oz., **\$3.75**.

Single Jewel. Extra large flowers of glowing crimson. Tr. pkt., **50c**; $\frac{1}{8}$ oz., **\$1.00**; $\frac{1}{4}$ oz., **\$1.80**; 1 oz., **\$5.50**.

PRIMULA MALACOIDES

12,000 seeds per $\frac{1}{32}$ oz. Seed may be sown from May until October for spring blooming in various sizes. Malacoides are easily grown after they get started, but **they will not tolerate fertilized soil in the seed flat or early stages of growth.**

No. 32 Glory of Riverside Imp. An excellent variety with freely produced beautiful salmon-rose flowers.

No. 41 White Giant. The finest pure white available; large flowers and heavy stems.

No. 43 Brilliancy Imp. Large, beautifully fringed flowers of rich wine-red. This is our own origination and should not be confused with the old, small flowered Brilliancy.

No. 51. Mrs. Eriksson of Riverside. Large flowers of glowing rose on compact plants of medium height.

No. 62 Ball Lavender. Bright orchid-lavender. Many flowers attractively fringed.

No. 50 Mixture. Our own balanced formula mixture.

Prices above 6, each: tr. pkt., **\$1.25**; $\frac{1}{64}$ oz., **\$2.75**; $\frac{1}{32}$ oz., **\$5.25**.

DOUBLE MALACOIDES.

Fairy Jewels. Double pink. Tr. pkt. (1000 seeds), **\$1.50**; $\frac{1}{128}$ oz., **\$2.50**.

PRIMULA OBCONICA

4000 seeds per $\frac{1}{32}$ oz. This brightly colored class excels all other Primulas in large flower size. Sow from January on for Christmas and later.

● **Fasbender's Red.** An outstandingly fine, extra large flowered deep crimson-red.

● **Better Days.** Bright carmine-red.

Mohnstein's Red. (Atrosanguinea). Popular deep red.

PRIMULAS, Continued

● **Mueller's Berlin Rose** (Mueller's Rosea). Soft medium rose. Heavy compact plants and large flowers.

Salmon-Rose (Lachsrosa). Salmon-rose shades.

● **Sky-Blue** (Coerulea). Clear mid-blue. A choice strain.

Violet Blue. Deep violet.

Wyaston Wonder. A special selection of this famous English variety. Vigorous growing, large flowered bright crimson.

White. Rather tall growth.

● **Formula Mixture.** Carefully blended from above colors.

Prices last 10, each: tr. pkt., **\$1.25**; $\frac{1}{64}$ oz., **\$2.75**; $\frac{1}{32}$ oz., **\$5.00**.

PRIMULA CHINENSIS (Chinese Primula)

A popular class with many retail growers. Very colorful and showy. Sow from March on for Christmas and later.

● **Kardinal.** Vivid, intense orange. Improves Dazzler in depth and brilliance. Tr. pkt. **\$1.50**; $\frac{1}{64}$ oz., **\$5.00**.

Special Mixture. A choice assortment of colors. Tr. pkt., **\$1.25**; $\frac{1}{32}$ oz., **\$3.75**.

Hardy Primulas. See page 59.

QUEEN ANNE'S LACE FLOWER

36,000 S. 24 in. Large heads of white flowers in umbels, similar to Didiscus. Nice filler for basket work. Tr. pkt., **20c**; $\frac{1}{4}$ oz., **35c**; 1 oz., **\$1.10**.

RANUNCULUS

Giant Mixed. Double flowers in shades of yellow, orange and red. Tr. pkt., **50c**; $\frac{1}{8}$ oz., **\$1.10**; $\frac{1}{4}$ oz., **\$1.90**; 1 oz., **\$6.00**.

RICINUS (Castor Bean)

Very fast growing, tall, large-leaved plants. Good for tall hedges and windbreaks.

Crimson Spire. 75 S. 8 ft. Bronzy red foliage with crimson stems and red fruit. 1 oz., **45c**; 4 ozs., **\$1.40**; 1 lb., **\$4.50**.

Zanzibariensis Mixed. 25 S. 10 ft. Foliage all green. 1 oz., **30c**; 4 ozs., **\$1.00**; 1 lb., **\$3.00**.

RUDBECKIA

85,000 S. Fine outdoor cutting material. Very free flowering in bright yellow, orange and brown shades.

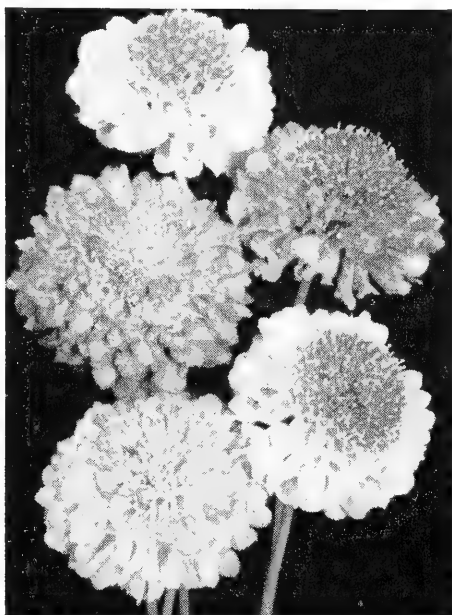
● **Starlight.** The only Rudbeckia strain we have seen that actually produces fully double, Dahlia-like flowers. An attractive mixture of autumn shades flowering on long stems; flower type ranges from nearly single to fully double. Tr. pkt., **35c**; $\frac{1}{4}$ oz., **\$1.00**; 1 oz., **\$3.25**.

SAINTPAULIA

Ionantha (African Violet). Deep blue. Extra fine seed that requires care in germinating. Uniform moisture, a 60° temperature and protection from bright sun are necessary in growing good Saintpaulias. Tr. pkt., **\$1.50**.

Blue Fairy Tale (New). Extra free blooming and fast growing. See photo opposite page. Tr. pkt., **\$2.00**; $\frac{1}{128}$ oz., **\$15.00**.

Hybrida Mixed (New). An F₁ Hybrid "Prize Strain", giving new colors in blue, orchid, pink and white besides exceptional flower size. 300 seeds, **\$2.00**.



SCABIOSA GIANT HYBRID MIXTURE

SALPIGLOSSIS

125,000 S. Salpiglossis furnishes the retail grower with good cutting material either from a January-February sowing indoors or a later one grown outdoors.

EMPEROR. 30 in. The tall kind for cutting.

● **Mixture** of all colors. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., 90c.

DWARF GIANT FLOWERED. 20 in. Fine for bedding and borders.

Mixture of all colors in this dwarf class. Tr. pkt., 25c; ¼ oz., 45c; 1 oz., \$1.50.

SANVITALIA

Procumbens. 50,000 S. 4 to 5 in. Double creeping Zinnia. Small golden yellow flowers. Very fine, dwarf edging plant. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

SAPONARIA

VACCARIA. 5500 S. Gypsophila-like flowers.

Rose White

Prices above 2, each: 1 oz., 35c; 4 ozs., \$1.00; 1 lb., \$3.25.

Saponaria Ocymoides. See page 59.

ANNUALS—Continued

SCABIOSA

4500 S. Pleasing colors and long stemmed, free flowering habit make annual Scabiosa a worth-while spring cut-flower item when grown in a cool house. Sow directly in the open for summer cutting. No retail grower should be without some of this.

Ageratum Blue. Large-flowered azure-blue.

Fire King. Bright scarlet.

King of the Blacks. Deep rich maroon.

● **Loveliness.** Extra large flowered, deep salmon-pink.

Rosette. Deep rose suffused with salmon.

● **Shasta Improved.** Fine pure white.

Prices above 6, each: tr. pkt., 20c; ¼ oz., 30c; 1 oz., 90c.

● **Oxford Blue.** Somewhat darker than Ageratum Blue or Blue Moon. Extra large, fully double flowers on fine, long stems. Tr. pkt., 30c; ¼ oz., 75c; 1 oz., \$2.50.

● **Blue Moon.** Fine lavender-blue color with extra large fully double flowers and long wiry stems. The standard market color. Tr. pkt., 30c; ¼ oz., 75c; 1 oz., \$2.50.

● **Giant Hybrid Mixture.** A special strain containing only the new large flowered varieties. Well-balanced in good cut-flower colors. Use this mixture if you want only a small planting of Scabiosa for cutting. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.15.

DWARF CLASS. For bedding and garden work. The stems are long enough for short-stemmed cut flowers and the shorter plants will hold themselves upright without support.

● **Heavenly Blue.** Clear azure-blue. Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$1.85.

Peace. White. Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$1.85.

Tom Thumb Mixture. 10 in. Extra dwarf and compact plants for bedding and edging. Mixture of colors. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.15.

Perennial Scabiosa. See page 59.

Know Your Salvia Varieties

KNOW YOUR SALVIA VARIETIES !!



EARLY TYPE
BLOOMS MID-JULY
TILL FROST
(WITH PETUNIAS)

ST. JOHN'S FIRE
WHITE FLAME



INTERMEDIATE
EARLY AUGUST
TILL FROST
BLAZE OF FIRE
FIRE BRAND
ROSE FLAME
SNOWBLAZE

ROSE FLAME
SNOWBLAZE



LATE TYPE
LATE AUGUST
TILL FROST
BONFIRE
AMERICA
DEEP ROSE
SPLENDENS TALL

DEEP ROSE
SPLENDENS TALL

There's a world of difference in habit and blooming date of the several types of Salvia available today. In ordering, take care to select those varieties best suited to your type of trade. To be able to offer your customers either the early, intermediate, or late blooming varieties will give them a selection and increase your sales.

Our earliest Salvia, St. John's Fire (opposite page) will bloom in mid-July in our latitude *with Petunias*, and yet it will keep blooming till frost. It is therefore most versatile of the three general types offered, but it is also somewhat more dwarf and compact in habit and can be planted with most other annuals. Contrasts beautifully with Snowstorm Petunia.



SALVIA ST. JOHN'S FIRE

Dwarf and earliest blooming of all Salvia varieties. Holds blooms till frost.

Salvia (8,000 seeds per oz.)

SPLENDENS (Scarlet Sage). This strikingly colorful, brilliant scarlet annual is popular wherever bedding plants are grown. The following are listed according to flowering dates—earliest first.

- **St. John's Fire.** Pictured above. The earliest and most dwarf variety available. About 12 in. high. Tr. pkt., \$1.00; 1/8 oz., \$1.65; 1/4 oz., \$2.75; 1/2 oz., \$5.00; 1 oz., \$9.00.
 - **Blaze of Fire.** The standard extra early strain. Closely follows St. John's Fire in flowering. 14 to 16 in. Tr. pkt., 85c; 1/4 oz., \$2.25; 1/2 oz., \$3.85; 1 oz., \$7.25.
 - **Firebrand** (Early Harbinger). 18 in. Between Blaze of Fire and America in earliness of flowering. Remains in full flower throughout the summer. Tr. pkt., 85c; 1/4 oz., \$2.25; 1/2 oz., \$3.85; 1 oz., \$7.25.
 - **America** (Globe of Fire). 20 in. This is our uniformly true and even stock of this fine variety. Follows Firebrand in flowering date. Tr. pkt., 65c; 1/4 oz., \$2.00; 1 oz., \$6.00.
- Clara Bedman.** A very free-flowering medium tall strain. Tr. pkt., 65c; 1/4 oz., \$2.00; 1 oz., \$6.00.
- Bonfire.** 26 in. Medium tall, very even. Tr. pkt., 65c; 1/4 oz., \$1.50; 1 oz., \$5.25; 4 ozs., \$17.50.
- Splendens Tall.** 30 in. The original late flowering species. Tr. pkt., 45c; 1/4 oz., \$1.40; 1 oz., \$4.50; 4 ozs., \$15.00.

OTHER COLORS

White Fire (New). A creamy white Salvia, similar in habit to St. John's Fire. Tr. pkt., \$1.00. 1/8 oz., \$3.00; 1/4 oz., \$5.00; 1 oz., \$15.00.

Snowblaze (New). 20 in. Creamy white, similar in habit to Blaze of Fire. Tr. pkt., \$1.00; 1/8 oz., \$3.00.

Lilac Rose (New). Several shades deeper than Rose Flame. Similar to Bonfire in habit. Tr. pkt., \$1.00; 1/4 oz., \$2.75; 1 oz., \$9.00.

Rose Flame. Similar in height and flowering season to America, but with a coral-pink calyx surrounding the deeper rose petal tube. A promising deviation from the common scarlet-red of the Splendens class. Tr. pkt., 75c; 1/4 oz., \$2.00; 1 oz., \$6.00.

FARINACEA (Blue Salvia). 24,000 S.

Blue Bedder. Medium lavender-blue in color and grows about 3 ft. tall with long stems for cutting. Tr. pkt., 40c; 1/4 oz., \$1.25; 1 oz., \$4.00.

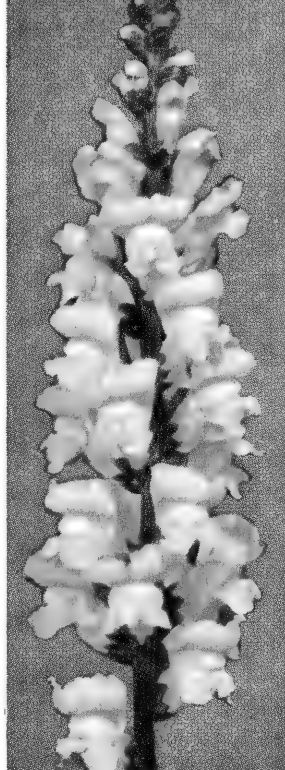
● **Royal Blue.** This is our own reselected strain, grown especially for us from an entirely new selection. Color is a true deep blue. We highly recommend this. Tr. pkt., 50c; 1/4 oz., \$1.45; 1 oz., \$5.00.

FOR SCHIZANTHUS, SHAMROCK and SMILAX, SEE PAGE 40

Salvias have come a long way since the original Splendens. Try the new rose and white varieties.



HERCULES



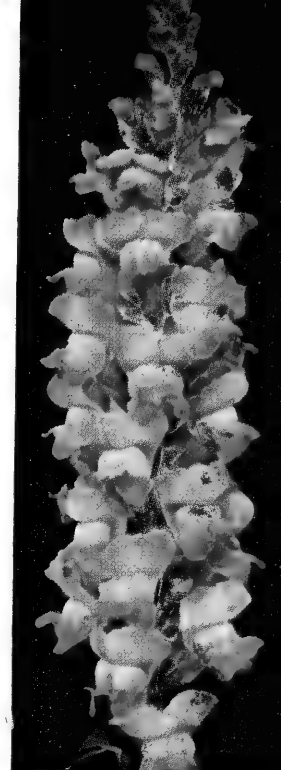
PINK ICE



SNOWMAN



NAVAJO



LAVENDER LADY

Ball Hybrid Snapdragons

(ANTIRRHINUM)

(125,000 seeds per oz.)

Extremely gratifying—in fact, almost amazing—has been the response of our many grower friends to these Ball Hybrid Snaps. That several of them have largely replaced some of the older, standard inbred varieties in seed sales in a few brief years is pretty conclusive evidence of their real superiority—a superiority that is quickly translated into more money from the same bench space.

- **Hercules** (Ball Hyb. No. 21—New). Light pink, extra hard stem. Spike formation somewhat like that of Peggy Schumann. Close-set florets, graceful spike, and very clean grower. Mid-season. Pictured above.
- **Lavender Lady** (Ball Hyb. No. 71—New). A deep, rosy lavender shade with excellent spikes and stems. This is unquestionably the finest lavender Snap we've ever seen. For late winter and spring. Pictured above.
- **Rosy Dawn** (Ball Hyb. No. 41—New). Solid, heavy spikes of deep rose; good stems. Near Christmas Cheer in color, but 3 or 4 weeks later. Midseason. Do not flower before February in the North.
- **Pink Ice** (Ball Hyb. No. 31—New). Pictured above. A bright, medium rose with nearly white lips. A clean, strong grower with outstanding flower spikes. Do not flower before February in the North.
- **Golden Spike** (Ball Hyb. No. 1). A rich, deep golden yellow with long, tapering spikes and heavy stems. Exceptionally heavy producer. Best yellow for late winter and spring but should not be flowered before February in the North.
- **Ball Pink Hyb. No. 2**. Medium pink. While some like it for its earliness and heavy production, we prefer Hercules and Christina.
- **Pink Cloud** (Ball Hyb. No. 3). A medium pink. Early blooming with long stems, spikes, and really large flowers. Apt to be soft in mid-winter; recommended for spring.
- **Pink Monarch** (Ball Hyb. No. 4). A rose-pink with large, attractive florets and an exceptionally hard, clean stem. Midseason.

Here's how it works. The inherent quality called "hybrid vigor" results in a faster growth rate which means less bench time from planting to cutting, it induces a higher percentage of top quality stems and spikes with more over-all production per bench; and it enables the plants to come back more quickly with a second crop—all factors which spell more dollars per square foot.

- **Snowman** (Ball Hyb. No. 5). Pictured above. This pure white is a top-notch Snap in all ways. We consider it the best white for single stemmed culture, and it is also excellent for a pinched crop. Absolutely white—no trace of ivory. Good producer, hard clean stem, graceful spike.
- **Indian Chief** (Ball Hyb. No. 6). Bright, rich bronze; attractive spike and good placement of florets. Deeper, brighter shade than Barbara. For late winter and spring.
- **Ball Red Hyb. No. 7**. Velvet Supreme color. Excellent for earliness and free production, but we prefer Navajo.
- **Navajo** (Ball Hyb. No. 8). Pictured above. We consider this the finest all-purpose red Snap available. It combines an excellent bright, true Snapdragon red with an extra long spike and hard stem. Blooms with Margaret.
- **Rosanna** (Ball Hyb. No. 9). A deep, bright rose; long tapering spike.
- **Hybrid Formula Mixed**. Mixture of Hybrid Snaps. ½ tr. pkt., \$1.75; tr. pkt., \$3.00.

PRICES all above Ball Hybrids except Mixture:
½ tr. pkt. \$2.00; tr. pkt., \$3.50.

BALL HYBRID SNAP COLLECTION

2 tr. pkts. each **Golden Spike**, **Snowman**, and **Hercules**.
1 tr. pkt. each **Pink Ice**, **Navajo**, **Rosanna**, and **Lavender Lady**.

Collection of 10 tr. pkts., \$32.00

Forcing Snapdragons

COMPLETE LIST OF VARIETIES

Ball "15 Best" Are Indicated by a Dot (●)

ABOUT FLOWERING DATES. In describing the many Snap varieties which we list, we have designated each as early (E), midseason (M) or late (L). This is an arbitrary classification based on our own West Chicago greenhouse trials over a period of years.

From a sowing made August 1, grown on a raised bench as a pinched crop and run 50° nights, those varieties which normally flower by December 15 we classify as early. Those which flower

between December 15 and January 10 we call midseason; while the remainder that flower after January 10 we consider late. Locality and amount of sunshine, of course, have a bearing on flowering dates, too.

It should be borne in mind that while many of the early and midseason varieties are excellent for late flowering if sown later, late varieties cannot be flowered early unless sown in May or June in our locality.

WHITE

Tr. Pkt.

- **Snowman** (Ball Hyb. No. 5). M. This pure white is a top-notch Snap in all ways. We consider it the best white for single stemmed culture, and it is also excellent for a pinched crop. Good producer, hard, clean stem, graceful spike. See page 36. ½ tr. pkt., **\$2.00** **\$3.50**
- Apollo**. HYBRID (New—Yoder Bros.). Ivory. Larger flowered and more vigorous than Margaret **3.00**
- Jet Pilot**. HYBRID (New—Yoder Bros.) Pure white **3.00**
- Junglewood White**. L. Extra long stemmed, pure white. Rather late flowering with us. ½ tr. pkt., **\$1.25** **2.00**
- Koester's White**. E. Extra early, pure white. **1.50**
- Lucky Strike Imp.** M. Long stemmed ivory-white **1.50**
- **Margaret**. M. Clean ivory-white; very productive. The most popular variety on our entire list **2.00**
- Marion**. L. Popular spring flowering white **1.50**
- Maryland White**. HYBRID (Winkler). M. Pure white. ½ tr. pkt., **\$2.00** **3.50**
- Peace**. E. Pure white **1.50**
- Rockwood's Crystal White**. L. Pure white. Recommended for late spring and early summer only. ½ tr. pkt., **\$1.75** **3.00**
- Rockwood's Hybrid White (No. 5)** (New). ½ tr. pkt., **\$1.75** **3.00**
- Schlegel's White**. E. Vigorous white **1.50**
- Snowdrift**. L. Double flowering white. ½ tr. pkt., **\$1.75** **3.00**
- Snow White**. L. Fine white; many flowers duplexed **1.50**
- Tommy Armstrong**. L. Pure white. Stems are clean and hard with closely spaced florets. ½ tr. pkt., **\$1.75** **3.00**
- Twenty Grand**. HYBRID (New—Yoder Bros.). Ivory; flower similar to Junglewood White. **3.00**
- Westover's Fringed White**. L. **1.50**
- White Wonder Imp.** M. This is our own strain **1.50**

ROSE

- **Rosanna** (Ball Hyb. No. 9). M. A deep, bright rose; long tapering spikes. ½ tr. pkt., **\$2.00** **3.50**
- Rosy Dawn** (Ball Hyb. No. 41). Solid, heavy spikes of deep rose; good stems. ½ tr. pkt., **\$2.00** **3.50**
- America**. M. Very attractive rose and orange bi-color .. **1.50**
- Better Times**. HYBRID (Windmill). M. Bright cerise-rose. ½ tr. pkt., **\$1.25** **2.00**
- Charm**. E. Extra large deep rose. Heavy spikes **2.50**
- **Christmas Cheer**. HYBRID (Windmill). E. Extra early, productive, bright rose-pink. ½ tr. pkt., **\$1.75** **3.00**
- Crusader**. HYBRID (New—Yoder Bros.) Rose. **3.00**
- Dalworth's Supreme**. M. Long, strong stems **1.50**
- Libby**. HYBRID (New—J. S. Yoder.) Dark rose-pink, strong stem and vigorous. M. ½ tr. pkt., **\$1.75** **3.00**
- Maxine**. HYBRID (Smith). E. Winter flowering rose-pink. ½ tr. pkt., **\$1.75** **3.00**
- **Peggy Schumann**. L. Beautiful creamy rose-pink **2.00**
- Pensive**. HYBRID (New—Yoder Bros.) Dark pink **3.00**
- Rockwood Pink Supreme**. L. Fairly deep, bright rose-pink **2.00**
- Rose Queen**. M. Deep rose; an old time favorite **1.50**
- Star Charter**. HYBRID (New—Yoder Bros.) Rose **3.00**
- Tetraploid Rose**. L. Extra large, deep cerise-rose **1.50**

LIGHT PINK

Tr. Pkt.

- **Hercules** (Ball Hyb. No. 21—New). M. Light pink, extra hard, clean stem. See page 36. ½ tr. pkt., **\$2.00** **\$3.50**
- **Christina**. HYBRID (J. S. Yoder). M. Best all-purpose light pink on our list. ½ tr. pkt., **\$2.00** **3.50**
- Daybreak**. M. Clear, light pink **1.50**
- Kathleen**. HYBRID (New—Hoffman). Light pink. ½ tr. pkt., **\$1.75** **3.00**
- Maiden's Blush Imp.** M. Pale pink **1.50**
- Marie Louise**. M. A beautiful light shell-pink **2.00**
- Mary Ellen**. HYBRID (J. S. Yoder). M. Light pink. ½ tr. pkt., **\$1.50** **2.50**
- Maryland Pink Imp.** HYBRID (Winkler). E. Creamy light pink. Early and productive. ½ tr. pkt., **\$2.00** **3.50**
- St. Louis Pink**. L. Excellent light pink for spring **1.50**
- Whirlaway**. HYBRID (New—Yoder Bros.). Medium early; a little deeper color than Mary Ellen **3.00**

MEDIUM PINK

- Pink Cloud**. (Ball Hyb. No. 3). M. Medium pink. ½ tr. pkt., **\$2.00** **3.50**
- Pink Monarch** (Ball Hyb. No. 4). L. Rose-pink. ½ tr. pkt., **\$2.00** **3.50**
- **Pink Ice** (Ball Hyb. No. 31—New). E. Bright, medium rose with nearly white lips. See page 36. ½ tr. pkt., **\$2.00** **3.50**
- Ball Pink Hyb. No. 2**. E. Medium pink. ½ tr. pkt., **\$2.00** **3.50**
- Cheviot Maid No. 33**. M. Between rose and pink in color **1.50**
- **Dorcas Jane**. HYBRID (Burkey). M. Long spikes of silvery rose-pink. ½ tr. pkt., **\$1.50** **2.50**
- New Cincinnati**. M. Medium rose-pink with shatter-proof spikes and extra long, stiff stems **1.50**

NEW DOUBLE SNAP

- Sunshine Rose-Pink** (New—Yerxa). A new fully double Snapdragon. Large florets and long spikes. A bright, luminous pink. Bred for high light intensity areas of the West and South. Tr. pkt., (over 500 seeds) **\$5.00**

YELLOW

Tr. Pkt.

- **Golden Spike** (Ball Hyb. No. 1). M. A rich, deep golden yellow with long, tapering spikes and heavy stems. Best yellow for late winter and spring. ½ tr. pkt., **\$2.00** **\$3.50**
- Carol Jean**. M. Light creamy yellow **2.00**
- Ceylon Court**. L. Medium yellow for spring **1.50**
- Day Star**. HYBRID (New—Yoder Bros.). Light yellow; prefer War Admiral **3.00**
- Ethel**. M. The most satisfactory self-pollinated yellow. .. **1.50**
- Goldrush**. HYBRID (Winkler). M. Large flowered medium yellow; a good producer; ½ tr. pkt., **\$2.00** **3.50**
- Junglewood Lemon**. M. Light yellow. ½ tr. pkt., **\$1.25** **2.00**
- Junglewood Yellow**. M. Rich yellow. ½ tr. pkt., **\$1.25** .. **2.00**
- Klondyke Supreme**. L. Rich deep yellow. A vigorous growing, large flowered variety **1.50**
- **Patricia**. HYBRID (J. S. Yoder). M. Medium yellow. Excellent for midwinter yellow. ½ tr. pkt., **\$2.00** **3.50**
- Rockwood's Hybrid Yellow (No. 10)** (New). ½ tr. pkt., **\$1.75** **3.00**
- Yellow Peggy Schumann**. L. **2.00**
- War Admiral**. HYBRID (New—Yoder Bros.). Outstanding in vigor, uniformity and spike formation. **3.00**

CONTINUED ON NEXT PAGE

FORCING SNAPDRAGONS

Complete List, Continued

RED

	Tr. Pkt.
● Navajo (Ball Hyb. No. 8). M. We consider this the finest all-purpose red Snap available. See page 36. ½ tr. pkt., \$2.00	\$3.50
Ball Red Hyb. No. 7 . E. Excellent for earliness and free production, but we prefer Navajo for all-purpose red. ½ tr. pkt., \$2.00	3.50
Priscilla Ann . HYBRID (New. J. S. Yoder). M. A wine-red, similar to Shisler's Red in color. ½ tr. pkt., \$2.00	3.50
Red Lips . M. Bright wine-red with gold lip and white tube. An attractive bicolor novelty	2.00
Rockwood's Red Hybrid (No. 15) (New). ½ tr. pkt., \$1.75	3.00
Shisler's Red . M. Attractive wine-red. True to color and a good, hard stemmed variety for spring	2.00

LAVENDER

● Lavender Lady (Ball Hyb. No. 71. New). A deep, rosy lavender shade with excellent spikes and stems. For late winter and spring. ½ tr. pkt., \$2.00	3.50
Ball Lavender . L. Long-stemmed and strong growing with good spikes of bright, rosy lavender. Prefer Lavender Lady	1.50
Schumann's Lavender . L. Popular spring variety	2.00
Windmillers Lilac . M. Long-stemmed rosy lilac	2.00

BRONZE

	Tr. Pkt.
● Indian Chief (Ball Hyb. No. 6). M. Scarlet-bronze. ½ tr. pkt., \$2.00	\$3.50
Afterglow . M. Bright orange-bronze; still widely grown	1.50
● Barbara . HYBRID (J. S. Yoder). M. Large-flowered bronze with pink throat. ½ tr. pkt., \$2.00	3.50
Bronze Christmas Cheer . M. ½ tr. pkt., \$1.25	2.00
Cavalcade . HYBRID (New. Yoder Bros.). A lively golden bronze, extremely vigorous	3.00
Gallant Fox . HYBRID (New. Yoder Bros.). Deep orange-bronze	3.00
Glorious . M. Bright reddish bronze for spring	1.50
Ideal Improved . M. Blend of rose, orange and yellow	1.50
Jubilee . HYBRID (Winkler). M. Light golden bronze. Habit similar to Goldrush. ½ tr. pkt., \$2.00	3.50
Lady Dorothy . E. Bright orange-bronze. ½ tr. pkt., \$1.75	3.00
Miss Wooster . M. Spring flowering, golden orange	1.50
Rockwood's Smoky Bronze (New). ½ tr. pkt., \$1.75	3.00
Schlegel's Early Bronze . M. An improved Bronze Christmas Cheer, with better flowers and habit.	2.00
Sunlite . E. Extra early, light bronze	1.50

MIXTURES

Hybrid Formula Mixture . Mixture of Hybrid Snaps. ½ tr. pkt., \$1.75	3.00
Ball Forcing Mixture . Carefully blended by formula	1.00
Standard Early Mixed . All varieties	.75

PLEASE NOTE: ½ tr. pkts. available only where listed. If the variety you want is not listed, send us your order and we will get it for you or suggest a satisfactory substitute.

SINGLE STEMMED SNAPS

More growers each year are turning to it. Reasons:

1. Saves time—from same sowing date no-pinch crop starts to cut 3 weeks sooner than pinched crop. Beds can be cleared off up to 6 weeks earlier because of early blooming and uniformity of cut. Time saved can be used for more efficient rotation, bedding plants, etc.

2. Production as good or better than pinched Snaps, depending on spacing.

3. Uniformity. You eliminate many of the culls that come with a pinched crop.

Culture

1. **Stagger your sowings!** Successive crops that bloom 3-4 weeks apart will give steadier cut than a pinched crop. Our '52 schedule: (All dates refer to northern Illinois latitude.)

Sow Seed	Bench Seedlings Direct	Start to Cut (50°, raised benches)
Aug. 18	Sept. 7	Jan. 1
Aug. 25	Sept. 14	Jan. 20
Sept. 8	Oct. 2	Feb. 10
Sept. 24	Oct. 16	Mar. 8
Oct. 3	Oct. 30	April 3
Oct. 15	Nov. 15	April 17
Dec. 1	Jan. 18	May 8
Feb. 20	(Band March 12, Bench April 20, Sash house or cloth protection from frost.)	June 15

2. Spacing—3 x 6 inches (18 square inches) for crops to flower December-January. We go to 3 x 5 inches (15 square inches) for March thru June. Some growers space 3 x 4 (12 square inches) for May. Wider spacing than 3 x 6 gives extra quality, but less production.

3. Hardly pays to band or pot for single stemmed crop—we bench directly except for June (sash house) crop. Good market, low overhead—worth the cost on that crop.

4. Best ones for single stemmed culture (our experience): **White**, Snowman; **Yellow**, Golden Spike (Patricia for January 15 to February 15 in very cloudy areas); **Pink**, Christina, Pink Ice, Hercules; **Rose**, Rosanna; **Bronze**, Barbara; **Red**, Navajo; **Lavender**, Lavender Lady.

JUNE SNAPS—FEBRUARY SOWING

Here's a schedule we have set up for our own June Snaps:

February 20—Sow seed. Use greenhouse Hybrids—Snowman, Christina, Golden Spike, Rosanna, Navajo, Barbara. Transplant seedlings to 1¾-inch veneer bands when ready to handle. Keep in 45° house.

April 20—Bench banded plants, spaced 4x4 inches; no pinch.

June 10—Start cutting; should clear in 10-15 days.

See **BALL RED BOOK** (\$1.50) and **GROWER TALKS** (3 years, \$2.50) for further cultural notes on Snaps.

Outdoor Snapdragons

(175,000 seeds per oz.)

New this year are the F₁ Hybrids for bedding, offered in a mixture and in 2 separate colors. Especially nice for cutting. The Dwarf Bedding varieties are valuable and attractive for bedding, being

dwarf, bushy growing, with no tendency to sprawl if not supported. The taller varieties must be supported and protected from strong winds.

HYBRID "HIT PARADE"

For an all-purpose bedding Snap you can't beat **Hit Parade**, a formula mixture of genuine F₁ Hybrids especially adapted to bedding conditions.

Here are the details:

- Earlier **by weeks** than other outdoor Snaps.
- **Pure, bright colors** produced separately and blended by formula.
- Larger spike and stems—long enough for cutting, yet strong enough to hold up in wind.
- Base-branching. Branches freely, making a nice, bushy plant.

This is the finest all-purpose bedding Snap mixture ever offered. Tr. pkt., **\$1.00**; $\frac{1}{32}$ oz., **\$2.50**; $\frac{1}{16}$ oz., **\$4.50**; $\frac{1}{8}$ oz., **\$8.00**; $\frac{1}{4}$ oz., **\$15.00**.

Separate Colors

Memory. Medium pink. **Temptation.** Maroon-red.

Prices above 2, each: tr. pkt., **\$1.00**; $\frac{1}{32}$ oz., **\$2.50**; $\frac{1}{16}$ oz., **\$4.50**; $\frac{1}{8}$ oz., **\$8.00**; $\frac{1}{4}$ oz., **\$15.00**.

BALL 10 BEST

(Rust-Resistant)

- **Alaska** (Tall). The best long-stemmed, clear white variety for cutting.
- **Canary Bird** (Tall). Long-stemmed, clear light yellow. Good cut flower type.
- **Cherry-Red** (Medium Tall). A bright, rosy cerise-red with some color variation.
- **Copper Queen** (Tall). Shades of bronzy copper; long-stemmed and attractive.
- **Maximum Crimson** (Tall). A warm, deep glowing crimson, valuable for cutting.
- **Orange Shades** (Medium Tall). Bright and showy; not the usual coppery bronze.
- **Pinkie** (Medium Tall). Lighter than Rosalie; very fine.
- **Rosalie** (Medium Tall). A rich deep rose; fine for cutting.
- **Swingtime** (Tall). Fine, medium light pink with white throat.
- **Yellow Jacket** (Medium Tall). An exceptionally attractive, deep rich yellow.
- **Improved California Mixture.** A carefully blended mixture of the best tall varieties.

Prices above 11, each: tr. pkt., **30c**; $\frac{1}{8}$ oz., **50c**; $\frac{1}{4}$ oz., **90c**; 1 oz., **\$2.80**.

COLLECTION. We offer one tr. pkt. each of the 10 Best named varieties above for **\$2.70**.

TETRAPLOID SNAPS

- **Giant Ruffled "Tetra."** Mixture. Tr. pkt., **50c**; $\frac{1}{8}$ oz., **\$1.25**; $\frac{1}{4}$ oz., **\$2.35**; 1 oz., **\$9.00**.

We are offering this year four separate colors in this fine class of Snaps.

Pink (New). Salmon-pink. Medium tall; huge florets. Tr. pkt., **50c**; $\frac{1}{8}$ oz., **\$1.50**.

Rose (New). Bright rose. Tr. pkt., **50c**; $\frac{1}{8}$ oz., **\$1.50**.

White (New). Light creamy white, changing to pure white with age. Tr. pkt., **75c**; $\frac{1}{16}$ oz., **\$2.50**.

Yellow (New). Tall, base-branching, clear yellow. Long spikes and large flowers. Tr. pkt., **75c**; $\frac{1}{16}$ oz., **\$2.50**.

STANDARD SUMMER SNAPS

TALL (Maximum). The long-stemmed type for cutting.

Campfire (Rust Resistant). Bright scarlet, yellow lip.

Cattleya (New). Rosy lavender.

- **Loveliness** (Rust Resistant). Soft rose-pink.

- **Red Cross** (Rust Resistant). Striking red, yellow and white.

- **Yellow Giant** (Rust Resistant). Rich yellow.

Mixture (Rust Resistant). Choice colors.

Irish Melodies. Same as Naramex Mix. Unusual bicolor shades of lavender, terra cotta, cream, yellow and bronze, flecked and blotched with pink or white. Plenty tall for cut flower use.

Prices above 7, each: tr. pkt., **30c**; $\frac{1}{8}$ oz., **50c**; $\frac{1}{4}$ oz., **90c**; 1 oz., **\$2.80**.

- **Velvet Giant.** The rich, velvety crimson-red flowers of this variety are much larger than most outdoor Snaps, and the spikes are heavier. Tr. pkt., **60c**; $\frac{1}{8}$ oz., **\$1.10**; $\frac{1}{4}$ oz., **\$2.00**.

Skyscraper Mixture. Pastel shades of ivory, yellow and pink. Tr. pkt., **50c**; $\frac{1}{16}$ oz., **\$1.00**; $\frac{1}{8}$ oz., **\$1.85**; $\frac{1}{4}$ oz., **\$3.25**.

Improved California Mixture. See 10 Best.

MEDIUM TALL (Majus Grandiflora).

- **Mixture** (Rust Resistant). Balanced mixture. Not quite as long stemmed as the Maximums, but long enough for cut flowers. Tr. pkt., **30c**; $\frac{1}{8}$ oz., **50c**; $\frac{1}{4}$ oz., **90c**; 1 oz., **\$2.80**.

HALF DWARF (Majestic).

Mixture (Rust Resistant). Extra large flowered. Tr. pkt., **25c**; $\frac{1}{8}$ oz., **45c**; $\frac{1}{4}$ oz., **80c**; 1 oz., **\$2.80**.

DWARF (Nanum Grandiflorum).

- **Black Prince.** Deep velvety crimson.

- **Gloria.** Uniformly dwarf and bushy in habit with freely produced, deep rose-pink flowers. Imported strain.

Golden Queen. Rich golden yellow.

Purity. Large flowered white.

- **St. George.** Flashing orange-cerise.

Senorita. Bright scarlet-orange. Free flowering, uniform.

Mixture (Rust Resistant).

Prices above 7, each: tr. pkt., **50c**; $\frac{1}{8}$ oz., **85c**; $\frac{1}{4}$ oz., **\$1.50**; 1 oz., **\$5.50**.

TOM THUMB

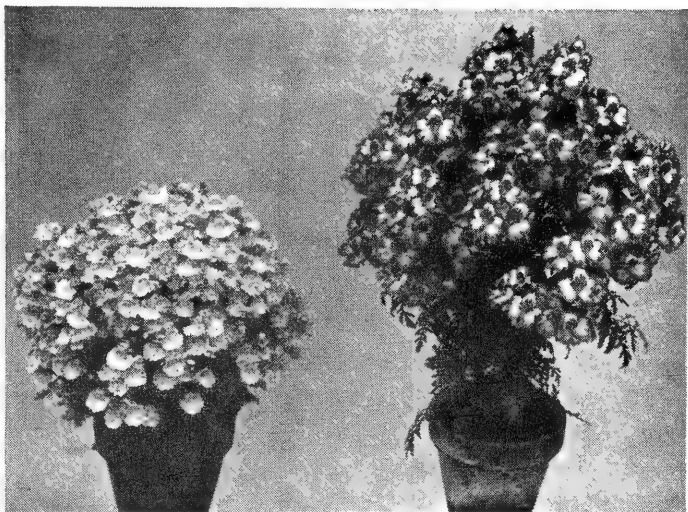
Magic Carpet. An attractive mixture of colors in this dwarf class (4 to 6 in.). Tr. pkt., **50c**; $\frac{1}{8}$ oz., **85c**; $\frac{1}{4}$ oz., **\$1.50**; 1 oz., **\$5.50**.

COLOSSAL SNAPS

This strain is extra vigorous, producing strong, long stemmed spikes of large, beautifully formed florets. The originator claims they will "out-perform all other varieties under adverse weather conditions."

White	Pink	Yellow	Orchid
Orange		Crimson	Mixed

Prices above 7, each: tr. pkt., **40c**; $\frac{1}{8}$ oz., **90c**; $\frac{1}{4}$ oz., **\$1.75**; 1 oz., **\$5.00**.



SCHIZANTHUS

Ball Dwarf, at left, and Ball Giant Schizanthus grown in 5 in. pots. Note the larger flowers of the Giant type.

SCHIZANTHUS

60,000 S. A January sowing will produce nice 3-in. plants for spring combinations. Sow September to November for larger pot plants and spring cut flowers.

- **Ball Giant Flowered.** Extra large flowers (often 2 inches in diameter) and unusually brilliant colors. Nice for cutting or makes a choice pot plant if pinched. Tr. pkt., 85c; 1/8 oz., \$2.25; 1/4 oz., \$4.00.

- **Ball Dwarf Mixture.** A distinctly dwarf growing strain with large compact heads of medium sized flowers. Makes an excellent pot plant. Tr. pkt., 55c; 1/8 oz., \$1.65; 1/4 oz., \$2.75.

Crimson Cardinal. Large flowers of deep rose-red with velvety crimson centers are produced in great profusion on plants of medium height. Very uniform and true to type. Makes a good cut flower and a striking pot plant if pinched. Imported seed. Tr. pkt., 75c; 1/8 oz., \$2.25; 1/4 oz., \$4.00.

Ball Brilliant Blend. A carefully blended mixture of fairly tall growing varieties recommended for the grower who grows a limited number of plants and wants a complete mixture. Tr. pkt., 40c; 1/8 oz., 80c; 1/4 oz., \$1.40.

Dr. Badger's Improved Hybrids. A brightly colored, large-flowered strain of medium height. Suitable either for pots or cutting. Tr. pkt., 40c; 1/4 oz., \$1.25.

- **Giant Blotched.** Bright colored rose and pink shades, with contrasting dark centers. Somewhat earlier than most strains and a good pot plant if well pinched. Tr. pkt., 55c; 1/8 oz., \$1.35; 1/4 oz., \$2.50.

Pansy-Flowered Mixture. Flowers flat and full petalled, resembling small Pansy flowers. Tr. pkt., 40c; 1/8 oz., \$1.15; 1/4 oz., \$2.00.

SHAMROCK

True Irish Shamrock. 38,000 S. Sow early in January in Carnation house temperature (cooler after germination) for 2-inch St. Patrick's Day plants; use 3 or 4 seedlings per pot. Our seed is the true Trifolium (clover). Tr. pkt., 20c; 1/4 oz., 35c; 1 oz., \$1.20.

SMILAX

4000 S. Well-known greenhouse climbers. Tr. pkt., 40c; 1/4 oz., 80c; 1 oz., \$2.50.

Snow-on-the-Mountain. See Euphorbia, page 22.

SOLANUM

See Cherries, Christmas, page 18; Peppers, Christmas, page 32; and Love Apple, page 25.

ANNUALS—Continued

STATICE

SINUATA. 350 seed heads per oz. This attractive annual is largely grown outdoors for drying, especially in southern localities, but a mid-winter sowing makes a nice late spring greenhouse crop.

Heavenly Blue (New). Bright, clear sky-blue, the color of Heavenly Blue Morning Glory. Tr. pkt., 50c; 1 oz., 95c; 4 ozs., \$3.20; 1 lb., \$9.60.

Market Rose (New). Deep rose, a warmer shade than Rosea Superba. Excellent for cutting. Tr. pkt., 30c; 1 oz., 65c; 4 ozs., \$2.20; 1 lb., \$6.60.

- **Market Grower's Blue.** Fine even deep blue. Excellent stock.

Kampf's Tall Improved. The standard long-stemmed blue.

- **Lavender Queen.** A very pleasing shade of pastel lavender. Fine color and good grower.

Rosea Superba. Rose.

- **Snow Witch.** A clear white selection from the old Sinuata white.

Bonduelli Superba. Similar in type to the Sinuatas but with large yellow flowers.

- **Superb Hybrids.** Contains a much more complete range of colors, from white through chamois, pink, rose, and light blue to deep blue, than has heretofore been possible. In addition, most of the heads are larger and more compact.

Prices above 7, each: tr. pkt., 20c; 1 oz., 50c; 4 ozs., \$1.75; 1 lb., \$5.25.

Suworowii (Russian or Rat-Tail Statice). 12,000 S. A very useful Statice for greenhouse forcing. Tr. pkt., 20c; 1/4 oz., 45c; 1 oz., \$1.50.

Perennial Statice. See page 59.

STOCKS

See page 41.

STRAWBERRY

Harzland (Runnerless). 90,000 S. Small red fruits on fairly compact runnerless plants. Tr. pkt., 50c; 1/16 oz., \$1.50.

Strawflower. See Acroclinium, page 10, and Helichrysum, page 24.

STRELITZIA

(Bird of Paradise)

Regina (New). Exhibition strain. Giant flowers of dark blue and deep orange. 10 seeds, \$1.25; 100 seeds, \$10.00.

STREPTOCARPUS

- **Giant Flowered Mixture** (Cape Primrose). Our original stock of this winter flowering pot plant was grown by a European specialist; we are convinced no better is obtainable. Tr. pkt., \$1.25; 1/64 oz., \$2.75.

Sunflower. See Helianthus, page 24.

SWEET PEAS

See page 42-43.

Hansen's ALL-DOUBLE Select Stocks

Light leaved doubles and dark leaved singles—apparent in the seedling stage—provide a positive means of separating singles from doubles in this strain. Stems are about 2/3 as long as the regular Ball-type Column stocks. Seedlings must be developed in temperatures of 50° or lower for accurate selection of light-leaved doubles.

Shell-Pink Lilac-Rose Rose White

Prices above 4 varieties, each: tr. pkt., \$1.50; 1/16 oz., \$2.70; 1/4 oz., \$9.00.

Branching Mixed. A branching type of the All-Double Select Stocks described above. Used for bedding and pots. Tr. pkt., 75c; 1/16 oz., \$1.20; 1/4 oz., \$4.00.

Ball COLUMN (NON-BRANCHING) Stocks

(18,000 seeds per oz.)

Stocks are easily grown, and profitable, too—if planted in steamed or fresh soil. We find that with direct sowing—no transplanting—freer and stronger growth results, with less labor than the transplanting method calls for. The proportion of double flowers can be materially increased if the strongest seedlings are selected. In our latitude they are safely sown up to February 15. Sowings after that date tend to come blind.

We annually carry out around 1600-1700 single plant selections. This accounts for the good percentage of doubles in our strains, and their adaptability to greenhouse forcing conditions. Also it has enabled us to develop or improve nearly all the following varieties. Our "6 Best" varieties are dotted (●).

WHITE

● **No. 16 Ball White—Medium Tall.** This early pure white is the most popular variety on our entire list.

No. 99 Ball White. We find this pure white averages 4 to 6 inches longer spike and stem than our popular No. 16.

White Giant. Originator's seed. Good long stemmed white. Best white for outdoor culture in cool areas. We prefer our No. 16 Ball White for greenhouse use.

Gardenia, Imp. Originator's seed. Pure white. Branches somewhat. A fine outdoor strain.

No. 5 Ball Dwarf White. Spikes of this dwarf Non-Branching Stock resemble a white Hyacinth. An ideal pot plant variety.

Avalanche. Long, column-like spikes of pure white are carried on firm but not bulky stems of good length. About a week later than Ball White No. 16 when flowered under glass, but exceptionally nice. Probably the finest white for California and Arizona outdoor growing.

PINK, ROSE and RED

● **No. 22 Ball Supreme.** A long stemmed, vigorous growing variety with fine, heavy spikes of rich silvery rose. The most outstanding Stock in its color class.

No. 11 Ball Pink. A medium light rose-pink. Earlier and somewhat lighter than our No. 22, but not quite as long stemmed.

No. 14 Ball Rose. An early flowering, fairly deep rose-pink. Darker in color and longer stemmed than the above variety.

No. 9 Chamois-Pink. A warm rosy buff color. Good stems and flower spikes.

No. 7 Malmaison Pink Improved. Long spikes of soft, shell-pink; a popular color. Entirely non-branching.

No. 6 American Beauty. Rich deep American Beauty or carmine-rose. An appealing color.

● **No. 8 Ruby Improved.** Larger florets and a more brilliant scarlet-crimson color than the former Ruby.

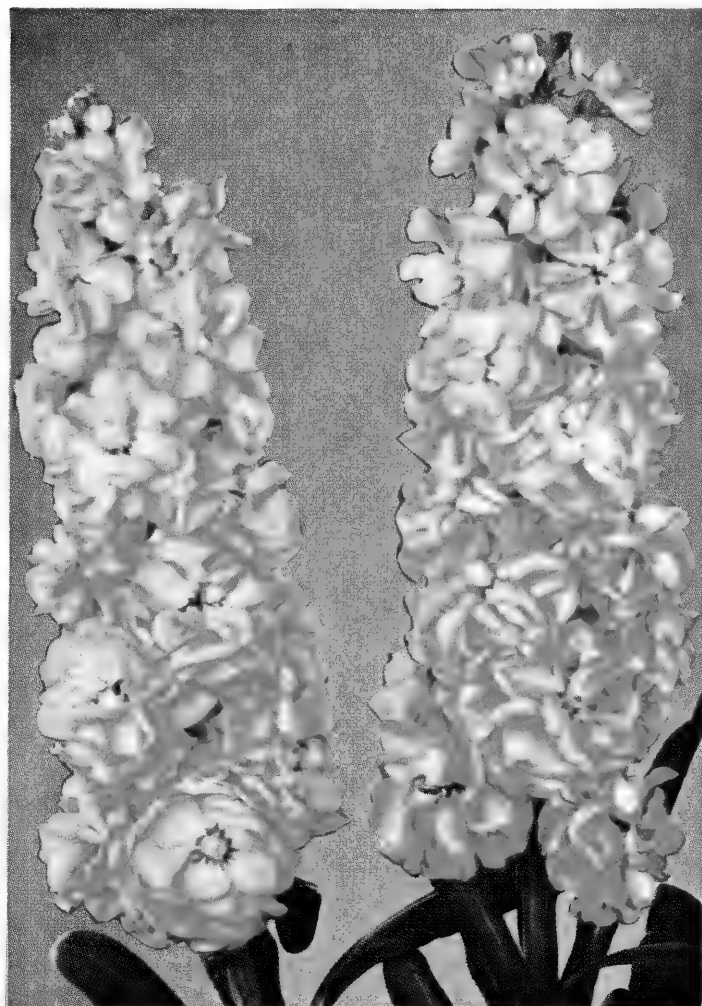
Pink Giant. Originator's seed. Color identical to No. 14 Ball Rose, but later and somewhat taller.

FOR OUTDOOR GROWING

We recommend the following varieties for cut-flower use outdoors in California and other areas where they are grown.

Avalanche	Malmaison Pink Improved No. 7
White Giant	Lilac-Lavender Improved No. 1
Gardenia	Purple Heart No. 21
Ball Supreme No. 22	Yellow Wonder
Ball Rose No. 14	Pink Giant
Pacific Pink	

Write for Quantity Prices



NEW! PACIFIC PINK

The first really new color in Column Stocks in over a decade, being a bright, luminous salmon-rose-pink, without the bluish cast of all other pinks and roses. Spikes are shapely and well formed with good stems. We believe this is destined to become one of the most popular Non-Branching Stocks within a few years. Be among the first to grow it. 1/2 tr. pkt., \$1.00; tr. pkt., \$1.75; 1/8 oz., \$3.30; 1/4 oz., \$6.00; 1/2 oz., \$10.00; 1 oz., \$18.00.

LAVENDER, BLUE and PURPLE

● **No. 1 Lilac-Lavender Improved.** Popular silvery lilac. Heavy stems with long flower spikes. We find it quite resistant to rot.

No. 3 Ball Blue Improved. Heavier stems and better spikes than our earlier Ball Blue. Double percentage slightly low.

● **No. 21 Purple Heart.** Long stemmed and large flowered, bright violet-purple.

MISCELLANEOUS VARIETIES

● **No. 20 Ball Apricot.** Long spikes of rich apricot tinged pink.

No. 24 Deep Apricot Improved. A more coppery terra cotta shade than the earlier strain. A good novelty color.

No. 17 Gold Standard. Creamy ivory-yellow.

No. 10 Mixture. Our own formula mixture.

Yellow Wonder. Popular yellow for outdoor growing.

Prices all Non-Branching Stocks (except Pacific Pink), each: 1/2 tr. pkt., 75c; tr. pkt., \$1.25; 1/4 oz., \$2.75; 1/2 oz., \$5.25; 1 oz., \$10.00.

COLLECTION OFFER. 1 tr. pkt., each of the 6 best (dotted) varieties for \$6.75.

Spring Peas

(350 seeds per oz.)---

CUTHBERTSON STRAIN

This class, being intermediate in flowering date between the Winter and Summer types, is proving increasingly valuable for spring greenhouse flowering.

PINK, ROSE and SALMON

- Billy.** Bright cerise-rose on salmon; very showy.
- **Carol.** Attractive clear pink on white ground; salmon shading.
- Doris.** Deep cherry-rose. Extra strong growth with fine stems.
- Evelyn.** Extra long stemmed, soft salmon-pink.
- **Lois.** Light rose-pink, similar in color to Ball Rose Queen.

RED

- **Coline.** Vivid, intense scarlet.
- **Jimmy.** Rich, deep cerise-red.

LAVENDER, BLUE and PURPLE

- Danny.** Brilliant, deep marine blue.
- **Frank G.** Fine soft rosy lavender. One of the best.
- Hazel.** Soft, light Princess Blue shade.
- Jessie.** Resembles Triumph.
- **Tommy.** A clear mid-blue about the color of Mrs. Hoover in the Winter class.

WHITE

- **Janet.** Large frilled white. Black seeded.

MIXTURE

- **Mixture.** Balanced according to demand for each color.
- Prices last 14 Cuthbertson varieties, each: ½ oz., 35c; 1 oz., 55c; 4 ozs., \$1.65; 1 lb., \$6.00.

Summer Peas

(350 seeds per oz.)

PINK, ROSE and SALMON

- **Ball Shrimp-Pink.** A pleasing soft shrimp-pink. Vigorous growth and long stems make this outstanding.
- **Maytime.** A bright golden cerise with large flowers and long stems.
- Miss California.** Large salmon-rose.
- **Pinkie.** Finest large flowered rose-pink; long stemmed and a heavy producer.
- **Sweet Afton.** Strong growing bright silvery pink. An excellent variety.

RED

- **Red Rover.** Deep crimson (same as Redwood in Earlies).
- **Welcome.** An intense sunproof scarlet of vigorous growth. Fine flower size and stem, and a heavy producer.

WHITE

- **Gigantic.** Excellent, pure white; black-seeded.
- **Snow White.** The finest clear white; black-seeded.

LAVENDER, BLUE and PURPLE

- **King Lavender.** Exceptionally fine clear even lavender with long, strong stems. Excellent growth.
- **Olympia.** Deep purple.
- **Windsor Blue.** A supremely fine mid-blue. Its clear even color, stem length, and flower size set it apart.

MIXTURES

Ball Best Mixture. Composed only of the best varieties in proportion to their commercial value.

Florists' Mixture. All colors in the late flowering class. 1 oz., 30c; 4 ozs., \$1.00; 1 lb., \$3.50.

Prices all above Summer Peas except Florists' Mixture, each: ½ oz., 25c; 1 oz., 40c; 4 ozs., \$1.25; 1 lb., \$4.00.

BRANCHING STOCKS

GIANTS OF CALIFORNIA

NEW TRYSONIC STOCKS

Trysonic Hi-Double Mixture. An unusual new race of branching Stocks which makes use of scientific plant breeding principles to produce 80-85% double flowering plants. Because only a small portion of single plants (the trysonics) can be used for the seed crop, the cost is necessarily somewhat higher than that of normal Stocks. All colors are represented in this mixture. ½ tr. pkt., \$1.00; tr. pkt., \$1.75; ¼ oz., \$2.90; ¼ oz., \$5.00.

- Golden Gate.** Soft, creamy yellow.
- Monterey.** A clear bright pink.
- **Pacific.** Fairly dark lilac-mauve.
- Redwood.** Ruby-red.

Santa Barbara. Chamois or buff.

- **Santa Maria.** Best branching white.
- **Tahoe.** Clear lavender.
- **Yosemite.** Rich rose-pink.

Prices last 8, each: tr. pkt., 40c; ¼ oz., \$1.40; 1 oz., \$4.75.

Mixture of all colors in this class. Tr. pkt., 40c; ¼ oz., \$1.25; 1 oz., \$4.25.

DWARF TEN WEEK

Blood-Red Carmine-Pink Lavender
Canary-Yellow Deep Rose Purple
White Formula Mixture

Prices above 8, each: tr. pkt., 30c; ¼ oz., 75c; 1 oz., \$2.25.

IMPROVED BISMARCKS

- Antique Copper.** Fine copper-red.
- Apple Blossom.** Pale, delicate pink.
- Blood-Red.** Bright ruby-red.
- **Chamois.** Clear chamois or buff.
- **Elk's Pride.** Rich purple.
- Golden Ball.** Ivory-yellow.
- **Lavender.** Clear lilac-lavender.
- Lilac.** Fairly deep lilac-blue.
- **Rose.** Fine bright rose-pink.
- **Shasta.** Giant flowered white.
- Formula Mixture** of above colors.

Prices above 11, each: tr. pkt., 40c; ¼ oz., \$1.25; 1 oz., \$4.00.

BROMPTON or WINTER

Early Harbinger. Mixed colors. Tr. pkt., 50c; ¼ oz., \$2.00; 1 oz., \$6.00.

Winter Sweet Peas

(350 seeds per oz.)

NEW! ZVOLANEK'S MULTIFLOWERED CLASS



ZVOLANEK PEAS
5's and 6's are not
uncommon in this strain

These fine varieties are unusually free flowering and long-stemmed with many stems carrying 5 and 6 flowers instead of the usual 3 and 4. Sweet Pea growers can readily appreciate what this will mean in better market returns over a period of a few weeks of picking.

Deep Rose (New). Deep, bright rose; fine for spring. 5's and 6's on long stems. Vigorous growth.

Lavender (New). Orchid-lavender, near Twilight in color. 4's and 5's on extra long stems. A strong grower.

Giant Lilac (New). Bright mauve, same color as Triumph. Large flowers in 4's and 5's on extra long, heavy stems. Strong growth.

Whirlwind. Probably the finest of the new Multiflowered type. Extra large, light rose flowers are borne

in 5's and 6's on extremely heavy 14 to 16-inch stems.

White. Pure white. Many 5's on long, strong stems.

Rose. Extra large medium rose flowers with many 5's on extra long, heavy stems. Vigorous growth.

Salmon-Pink. Large, medium rose-pink flowers with salmon cast. 4's and 5's. Stems are extra long, but not as heavy as the above varieties.

Orange-Cerise. Color as named. Extra large flowers on long stems. A bright and striking color.

Multiflowered Mix

Prices above varieties, each: $\frac{1}{2}$ oz., \$1.75; 1 oz., \$3.00; 4 ozs., \$10.00; 1 lb., \$35.00.

While we prefer the Spring Flowering for late greenhouse planting, the Winter class does flower earlier and in some sections is preferred even for outdoor planting.

OUR "12 BEST"

PINK, ROSE and SALMON

- **New Ball Rose**. Free flowering, bright rose. Shorter vines make this variety valuable where headroom is limited.
- **Ball Rose Queen**. Extra long stemmed and large flowered clear rose-pink. One of the finest commercial varieties.
- **Ball Rose Supreme**. Large wavy flowers of bright silvery rose-pink. Good stems and free flowering.
- **Ball Salmon**. Fairly deep salmon-pink; an excellent producer.

ORANGE and RED

- **Ball Orange Supreme**. Improves the original Ball Orange in better stem length and more brilliant color.
- **Treasure Island**. Large wavy flowers of golden orange.
- **Fiesta**. Brilliant scarlet-cerise; the finest red in early Peas.

LAVENDER, BLUE and PURPLE

- **Ball Blue Supreme**. The same rich blue color as Mrs. Hoover, but larger flowered and a better producer.
- **Twilight**. A bright clear lavender. Considered by many as an improvement over Harmony.
- **Triumph**. Long stemmed, rich lilac-mauve; very well liked.
- **Rhapsody**. Extra large flowered, deep rosy lavender.

WHITE

- **Ball White**. The finest long stemmed pure white; white-seeded.

MIXTURE

- **12 Best Mixture**. Our own formula mixture of the above twelve. Prices above 13, each: $\frac{1}{2}$ oz., 35c; 1 oz., 55c; 4 ozs., \$1.65; 1 lb., \$6.00.

COLLECTION OFFERS

$\frac{1}{2}$ oz. each of the above "12 Best" named varieties for \$3.80.

1 oz. each of the above "12 Best" named varieties for \$6.10.

STANDARD VARIETIES

PINK, ROSE and SALMON

Apollo. Salmon-cerise; fine for spring.

Boon. Deep salmon-rose.

- **Bridesmaid**. Delightful silvery pink. Long stemmed.
- **Daphne**. Soft salmon-pink on cream. Large flowered.
- **Hiawatha**. Strong growing, large flowered deep rose.
- **Laddie Imp**. Long stemmed, fairly light rose-pink.
- **Mother Machree**. Large coral-rose flowers; semi-duplexed.
- **Sequoia**. Large flowered standard salmon-rose.
- **Tops**. Extra large, wavy flowered, light salmon-rose.

ORANGE and RED

- **Redwood**. Large flowered, deep velvety crimson.
- **Sparks**. The finest poppy-scarlet.

LAVENDER, BLUE and PURPLE

- **Avalon**. Large, even mid-blue flowers on long stems.
- **Bacchus**. Deep maroon; large flowered.
- **Harmony**. Standard early flowering lavender.
- **Michigan**. Clear lavender.
- **Mrs. Hoover**. Standard early mid-blue.
- **Top Hat**. Deep bright violet-blue.

WHITE and CREAM

- **Gardenia**. Long stemmed pure white for spring.
- **Hope**. Fine black seeded white.
- **White Harmony**. Similar to Hope; black seeded.

MIXTURE

Ball Early Mixture. Carefully balanced mixture of winter varieties. $\frac{1}{2}$ oz., 30c; 1 oz., 50c; 4 ozs., \$1.50; 1 lb., \$5.50.

Prices all above (except Mixture), each: $\frac{1}{2}$ oz., 35c; 1 oz., 55c; 4 ozs., \$1.65; 1 lb., \$6.00.

ANNUALS—Continued

THUNBERGIA

Alata (Black-Eyed Susan). 1100 S. Very fine, used as an annual climber or for hanging baskets, making a dense growth and producing an abundance of flowers in shades of yellow, buff and orange—with black centers. Tr. pkt., **20c**; ¼ oz., **35c**; 1 oz., **\$1.10**; 4 ozs., **\$3.50**.

● **Gibsoni**. Flowers of a solid, deep luminous orange are twice the size of Alata. Tr. pkt., **85c**; ⅛ oz., **\$1.85**; ¼ oz., **\$3.50**.

TITHONIA

2800 S.

Avalon. Large blooms of brilliant reddish orange produced on long stems. Sow right outdoors in spring for summer use or in late summer for winter greenhouse flowering. Tr. pkt., **30c**; ¼ oz., **55c**; 1 oz., **\$1.80**.

Torch. ALL-AMERICA SELECTION (Silver Medal, 1951). Single, bright orange-scarlet flowers with yellow discs are carried on bush-form plants. Outstanding points about this new Tithonia are its earliness, heat resistance, freedom of blooming and ease of culture—being handled the same as Zinnias. Makes a very satisfactory cut flower. Tr. pkt., **40c**; ⅛ oz., **90c**; ¼ oz., **\$1.50**; 1 oz., **\$4.50**.

Tobacco Plant. See Nicotiana, page 29.

TORENIA

375,000 S. Rich combination of deep blue with violet blotch on lip. Nice spring pot plant or outdoor bedding plant.

Fournieri Grandiflora. Standard variety.

Fournieri Compacta, Blue. A dwarf form of the above.

Fournieri Compacta, White. Dwarf white.

Prices above 3, each: tr. pkt., **40c**; ⅛ oz., **\$1.25**; ¼ oz., **\$2.25**.

TRACHELIUM

Coeruleum (Throatwort). 18 in. Small blue flowers in dense heads. Nice for cutting on a raised bench from a January sowing. Actually a perennial, but ordinarily grown as an annual. Tr. pkt., **40c**; ⅛ oz., **\$1.10**; ¼ oz., **\$2.00**.

VENIDIUM

Ball Hybrids. 65,000 S. An interesting array of colors ranging from silvery white through buff and orange shades. Tr. pkt., **50c**; ¼ oz., **\$1.35**; 1 oz., **\$4.00**.

VERBENAS

10,000 S. These always popular and colorful plants are widely used for bedding, window boxes and combinations. Germination is not rapid, so seed should be sown in soil temperature of 65° to 70°. Once established, 48° nights suits them nicely, but be sure to pinch them early to avoid straggly growth.

GRANDIFLORA. Low growing (under 1 ft.) and spreading in habit, with large flowers. Has some cut-flower value.

● **Beauty of Oxford**. A very choice, vigorous-growing strain with extra large flowers. Colors range from clear rose-pink to deep rose-red, all with slight white eye.

● **Crimson Glow**. Extra rich crimson without eye.

● **Dannebrog**. A very attractive combination of bright scarlet with large white eye. Growth more compact than other Grandifloras.

Ellen Willmott. Extra large, salmon-pink.

Floradale Beauty. A vigorous grower with large flowers in shades of red and pink.

● **Lavender Glory**. Very fine, large flowered lavender with white eye. About 75% true to type, balance white and purple.

Luminosa. Deep salmon, shaded pink, with white eye.

Mayflower. Shades of pink.

● **Mounty**. A brilliant scarlet or cardinal-red with small light eye. Color deeper than Spectrum Red and stronger in growth.

● **Pure White**. Very even strain.



Dannebrog—the finest red Verbena in our trial grounds.

VERBENAS, Continued

Rosea Stellata. Clear deep pink with white eye. Quite free flowering and a strong grower.

● **Royale**. Large flowered rich deep blue with eye.

● **Spectrum Red**. Very bright rich scarlet with no eye. Lighter and brighter color than Crimson Glow.

Mixture of all colors in the Grandiflora class.

Prices last 14, each: tr. pkt., **40c**; ¼ oz., **80c**; 1 oz., **\$2.85**.

BUSH TYPE. 10 in. A very uniform, semi-dwarf, but upright and vigorous type of growth. Flowers are carried above the foliage, adding much to the attractiveness of this new class.

● **Giant Salmon Queen**. Large flowered, bright coral-salmon with creamy white eye.

● **Starlight**. Large flowers are a rich mid-blue with ivory-white eye. An excellent companion to Salmon Queen.

Prices above 2, each: tr. pkt., **55c**; ¼ oz., **\$1.30**; 1 oz., **\$4.00**.

Blue Sentinel. Bright blue with very little violet shading. Practically no eye. Tr. pkt., **55c**; ¼ oz., **\$1.65**; 1 oz., **\$5.00**.

● **Snowball**. Fine, free flowering pure white. Tr. pkt., **40c**; ¼ oz., **\$1.10**; 1 oz., **\$3.25**.

UPRIGHT TYPE. 12 in. Somewhat taller and even more upright than the above class. Stems are long enough for limited cut-flower use.

Rainbow Mixture (New). Semi-dwarf, but upright growing plants in a wide assortment of colors. This was the earliest of all Verbenas in our trial ground the past season. Its earliness and erect habit should make this new strain valuable for pots and combination boxes as well as for borders.

Royal Bouquet. A mixture of all colors in this upright type.

Prices above 2, each: tr. pkt., **55c**; ¼ oz., **\$1.65**; 1 oz., **\$5.00**.

COMPACTA. 4 to 5 in. An extra dwarf type for border and pot work. Not suitable where summer heat is excessive.

● **Sparkle** (New). Bright red with white eye. Tr. pkt., **75c**; ¼ oz., **\$2.00**; 1 oz., **\$6.00**.

Fireball. Bright, fiery scarlet, small flowers.

Mixture of all colors in this compact class.

Prices above 2, each: tr. pkt., **40c**; ¼ oz., **\$1.10**; 1 oz., **\$3.25**.

MISCELLANEOUS VARIETIES.

Bonariensis. 90,000 S. 36 in. A long-stemmed Verbena with lavender-blue flower clusters. Foliage stays near the ground, making this type well suited to cut-flower work. Very decorative garden plant. Germination slow. Tr. pkt., **40c**; ⅓ oz., **75c**; ⅛ oz., **\$1.35**.

● **Venosa Lilacina**. 60,000 S. 8 to 10 in. A dwarf bedding Verbena that flowers continuously throughout our hot Mid-Western summers. Deep lilac flowers produced quite freely. Tr. pkt., **30c**; ¼ oz., **50c**; 1 oz., **\$1.75**.

ANNUALS—Continued

VINCA

ROSEA (Periwinkle). 21,000 S. 15 in. One of the most generally satisfactory outdoor bedding plants we have. Will stand an almost unbelievable amount of hot, dry weather. Sow early with bottom heat.

● **Twinkles**. Soft blush-pink with bright red eye.

● **Pink**. The standard medium pink.

Crimson. Slightly darker than above.

Alba Pura. Pure white.

Alba Oculata. White with red eye.

Mixture of above colors.

Prices above 6, each: tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$2.00.

Viola. See page 60.

VIRGINIAN STOCK

Compacta Mixture. 60,000 S. 8 in. Nice compact bedding plant in shades of lilac, red and white. Tr. pkt., 20c; 1 oz., 65c.

Dahlia-Flowered Zinnias pictured below, top to bottom: Canary Bird, Purple Prince, Polar Bear, Illumination and Scarlet Flame. All these and many others are in our famous Gold Medal Mixture.

VISCARIA

Loyalty. Fairly dwarf, 8-10 in. plants producing a wealth of single blue flowers about 1 in. across. Does best where summers are not too hot. Tr. pkt., 40c; ¼ oz., 80c; 1 oz., \$2.50.

WALLFLOWER

Gold Standard. 14,000 S. Richly fragrant deep golden yellow flowers borne in spikes. In appearance and general habit Wall-flowers resemble Stocks. Tr. pkt., 65c; ¼ oz., \$2.25; 1 oz., \$6.50.

ALL DOUBLE NON-BRANCHING. Sow in December and grow in shallow soil (flats are fine) spaced 4x4 in. for valuable spring cut flowers.

Helios. Bright golden yellow.

Vulcan. Velvety, mahogany-red.

Prices above 2, each: tr. pkt., (about 700 seeds), \$1.00.

Perennial Wallflower. See Cheiranthus, page 53.

Florists' Zinnias

(2500 to 4000 seeds per oz.)

DAHLIA-FLOWERED

The generally preferred class; flowers are deeper with central petals incurved.

- **Canary Bird**. A bright, clear canary-yellow.
- **Crimson Monarch**. Large flowered, deep crimson-red.
- **Dream**. An attractive lavender.
- **Eldorado**. Unusually attractive salmon-apricot.
- **Exquisite**. Fine, light rose with deeper center.
- **Golden Dawn**. Clear golden yellow. A good variety.
- **Golden State**. A rich orange-yellow; varies some.
- **Illumination**. A deep rose; darker than Exquisite.
- **Luminosa**. Bright pink suffused with salmon.
- **Meteor**. Rich, deep amaranth-red. A striking color.
- **Oriole**. Orange and gold.
- **Polar Bear**. Large, creamy white.
- **Purple Prince**. Deep purple; large flowered.
- **Scarlet Flame**. The finest bright scarlet. Very showy.
- **Will Rogers** (New). Scarlet; shade lighter than Crimson Monarch.

Prices all Dahlia-Flowered Zinnias, each: tr. pkt., 30c; ¼ oz., 50c; ½ oz., 85c; 1 oz., \$1.35; 4 ozs., \$4.00; 1 lb., \$14.50.

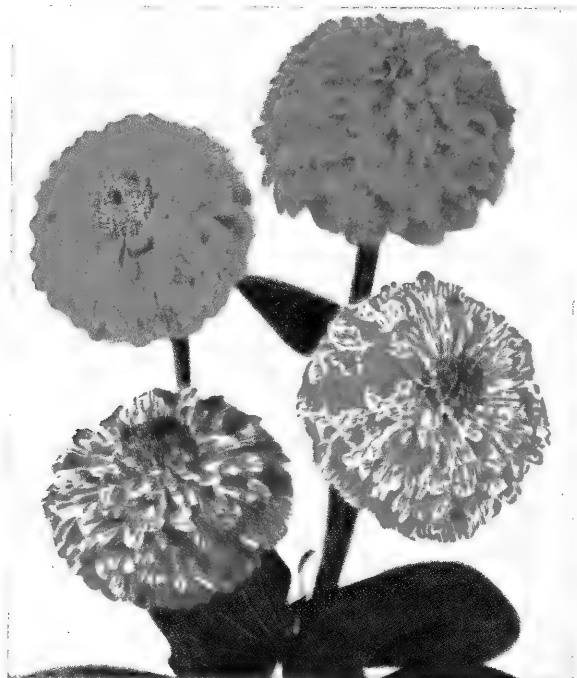
SPECIAL OFFER. We furnish a collection consisting of 1 tr. pkt. each of these 15 varieties for \$3.75.

DAHLIA-FLOWERED MIXTURES

● **Gold Medal Mixture**. We believe this is the finest complete mixture of large-flowered Zinnias available. This is not a field-grown mixture, but it is carefully blended by formula from first class cut flower colors and varieties in direct proportion to their commercial value.

● **Indian Summer Mixture**. An unusually attractive giant-flowered mixture. Bright reds, yellows and oranges predominate to make up this fine assortment of "Indian Summer" colors.

● **Pastel Shades Mixture**. A formula mixture composed of the lighter colors in the large-flowered class. Preferred by those who object to strong reds and purples. **Prices** above 3 mixtures, each: tr. pkt., 30c; ¼ oz., 50c; ½ oz., 85c; 1 oz., \$1.35; 4 ozs., \$4.00; 1 lb., \$14.50.



PEPPERMINT STICK

Add interest to your Zinnia offerings with this fascinating striped novelty.



ZINNIA PERSIAN CARPET

A greatly improved Haageana mixture.

Florists' Zinnias

(2500 to 4000 seeds per oz.)

GIANT CACTUS

- **Burpee Hybrids** (New). Pictured at left. 21 in. One of our finest Zinnias. Extra large, fully double flowers with large ruffled petals. A well balanced mixture of colors, mostly pastels. Tr. pkt., 60c; ¼ oz., \$1.00; 1 oz., \$3.00; 4 ozs., \$9.00.
- **Floradale Scarlet** (New). 21 in. Large, fully double scarlet flowers with lacy, ruffled petals characteristic of the Cactus type Zinnia. Tr. pkt., 30c; ¼ oz., 50c; 1 oz., \$1.50; 4 ozs., \$4.50.
- **Riverside Beauty** (New). 18 in. Large, double, soft coral-rose color with lacy, ruffled petals of the Cactus type. Somewhat less vigorous than Burpee Hybrids. Tr. pkt., 40c; ¼ oz., 75c; 1 oz., \$2.50; 4 ozs., \$7.50.

MISCELLANEOUS VARIETIES

- **Peppermint Stick**. See photo above, left. Peppermint Stick is a significant improvement over previous strains of striped-petaled Zinnias (which have been largely rejected because of small flower size or low percentage of striped blooms). It produced at least 60% striped plants in our trials last year. The striated petals give a very pleasing and unusual effect. Medium sized flowers with many combinations of red, white, yellow, pink, orange and purple shades. Especially nice for floral arrangements. Tr. pkt., 35c; ¼ oz., 75c; 1 oz., \$2.25; 4 ozs., \$7.00.
- **Persian Carpet** VALE-AMERICA SELECTION (New). See photo above. A greatly improved Haageana type Zinnia with well-rounded form and over-all height of about 12 inches. Very floriferous, with all the natural assets of Zinnias—easy to grow, heat-loving, and colorful. Tr. pkt., 50c; ¼ oz., \$1.50; 1 oz., \$4.50.

Gracillima (Red Riding Hood). Freely produces large numbers of small, bright crimson flowers. Fine for bedding.

Scabious-Flowered. Fairly tall with some cut-flower value. An Anemone-flowered type with crested center.

Prices above 2 varieties, each: tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50.



BURPEE HYBRIDS

This new, extra large-flowered Zinnia yielded blooms which were unquestionably the largest, and to some observers the most attractive, in our Zinnia trials last summer. A very worth-while offering.

Florists' Zinnias

(2500 to 4000 seeds per oz.)

MISCELLANEOUS VARIETIES, Continued

Linearis. An excellent, heat-resistant, free-blooming subject for edging and rock garden work. Compact (6-8 in.) and early flowering, with single, bright orange flowers. Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$2.00.

Early Wonder, Finest Mixed. Medium sized double flowers in shades of red, rose and orange are carried on 10-12 in. base-branching plants. Extra early; fine for short season locations, only. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50.

Haageana Double Hybrids. Especially valuable for bedding. Extra compact and literally covered with small flowers charmingly variegated mahogany, gold and orange. Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$2.00.

Cupid Mixture. Dwarf, extra small-flowered type for borders and rock gardens. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50.

FANTASY TYPE

The fairly large flowers have informally curled and twisted petals which produce an attractive novelty effect.

- **Star Dust.** A bright deep golden yellow.
 - **Wildfire.** Dazzling scarlet; a striking brilliant color.
 - Rosalie.** Intense rose.
 - Melody.** Rich lavender.
 - Mixture.** Formula mixture of all colors in this class.
- Prices above 5, each: tr. pkt., 25c; ¼ oz., 45c; 1 oz., \$1.25.

PUMILA TYPE

"Cut and come again." Between the Giants and Lilliputs in size.

- | | |
|--|---------------------------------|
| ● Canary-Yellow | ● Fireball (Scarlet) |
| ● Salmon-Rose | ● Snowball (White) |
| ● Pinkie. A pleasing soft pink. | ● Golden Orange |
| ● Spun Gold. Butter-yellow. | ● Mixture of all colors. |
- Prices above 8, each: tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.00.

GIANT MAMMOTH

For sheer flower size you can't beat these Giant Mammoth Zinnias—not quite as fully petaled as the Dahlia-flowered varieties, but the colors are very bright.

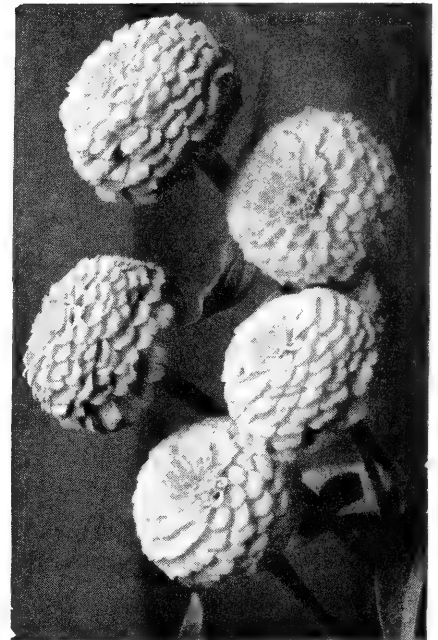
- Brightness.** Bright, clear rose-pink.
- Cherry Queen** (Cerise Queen). Brilliant cherry-rose.
- **Daffodil Improved.** Clear canary-yellow.
- **Enchantress.** Light pink; darker center.
- Golden Queen.** Bright golden yellow.
- Isabellina.** Creamy yellow.
- Lavender Queen.** Medium rosy lavender.
- Miss Wilmott.** Pleasing, soft pastel pink.

NOTES ON ZINNIA CULTURE

For Cutting: Some protection by cloth or a greenhouse will produce long-stemmed, large-flowered Zinnias which make excellent cut-flower material. Either the Dahlia-Flowered or the Lilliputs are O. K. for this. An outdoor sowing as late as July 1 in our latitude will produce a fine crop of cut Zinnias outdoors before frost.

For Bedding: Always popular for their ease of culture and fine, vivid colors, Zinnias should account for a

LILLIPUT ZINNIAS



LILLIPUTS

Lilliput Zinnias never fail to attract interest as a bedding subject because of their interesting flower formation and free flowering habit. For cut flowers, the stems can be lengthened by some cloth or greenhouse shading.

- | | |
|-----------------------------------|-----------------------------------|
| ● Black Ruby. Deep maroon. | ● Purple Gem |
| ● Canary Gem | ● Rosebud. Fine rose-pink. |
| ● Crimson Gem | ● Salmon Gem |
| ● Golden Gem | ● Scarlet Gem |
| ● Lilac Gem | ● Valencia. Burnt-orange. |
| ● Pink Gem | ● White Gem |
- Formula Mixture.** All colors.

Prices above 13, each: tr. pkt., 20c; ¼ oz., 40c; ½ oz., 70c; 1 oz., \$1.25; 4 ozs., \$3.75; 1 lb., \$12.00.

Special Offer. Tr. pkt. of each of the 12 named Lilliput varieties for \$2.00.

- **Orange King.** A brilliant orange with scarlet shading.
 - **Purity.** The best white in large-flowered Zinnias.
 - **Rose Queen.** Deep rose; a striking color.
 - **Scarlet Queen.** Intense bright scarlet.
 - Violet Queen.** Deep violet-purple.
 - Mixture.** A balanced formula mixture of all Giant Mammoth varieties.
- Prices above 14, each: tr. pkt., 25c; ¼ oz., 45c; ½ oz., 75c; 1 oz., \$1.25; 4 ozs., \$3.75; 1 lb., \$13.50.
- SPECIAL OFFER.** We offer one trade packet each of the above 13 named varieties for \$2.60.

substantial part of your bedding plant sales.

Don't neglect the novelty value of the small-flowered Lilliput type, the immense size of the Giant Mammoths, the curled petals of the Fantasy type.

Warning: Zinnias are native to warm temperatures and need 65° minimum—better, 70°—to germinate satisfactorily.

BALL BETTER PLANT BANDS

An Easier and Better Way of Growing Plants

EASIER!

TIME SAVED IS MONEY SAVED!

Quickly opened; come completely assembled.

Rapidly filled; faster than small pots one at a time.

Much lighter to handle and store than pots.

No dirty pots to clean or sterilize.

Fit close; less watering needed.

Faster benching than bare-root transplants.

BETTER!

STURDIER GROWTH MEANS BIGGER AND EARLIER CROPS!

Holds more soil than a pot of equal diameter; huskier plants.

Made of decay resisting veneer for longer life.

No wilting checks after transplanting.

Ideal to pack for the small plant shipper.

Make swell dozen-plant units in Ball PLANTRAYS for retail sales.

Bands packed in valuable greenhouse flats at no extra cost. (These flats are treated to resist decay in soil.)



Onion plants in 4x4x4 band ready to sell and make money for you. Look at root system.

for Bedding Plants . . Chrysanthemums . . Perennials
Nursery Stock . . Carnations . . Vegetables

Prices BALL Better Plant Bands

Very Important! To save delay be sure to specify which way to ship—**EXPRESS, FREIGHT, or TRUCK.** This is important. If no instructions are given, we use our best judgement.

Bands sold only in units **as listed below.** All prices are net, no cash discount, F.O.B. Midwest Factory or West Chicago, Ill., and are subject to change without notice.

Price per 1000 in quantities as shown below

Size	Shipping Units of	0-4000	5,000-10,000	11,000-25,000	26,000-50,000	51,000-100,000	101,000-Up
1 3/4 x 1 3/4 x 2	2000	\$5.15	\$4.90	\$4.70	\$4.50	\$4.30	\$4.15
1 3/4 x 1 3/4 x 2 1/2	2000	5.55	5.30	5.05	4.85	4.65	4.45
2x2x2	2000	5.35	5.10	4.85	4.65	4.45	4.30
2x2x2 1/2	2000	6.00	5.70	5.45	5.25	5.00	4.80
2x2x3	2000	6.25	5.95	5.70	5.45	5.25	5.05
2 1/2 x 2 1/2 x 2 1/2	2000	6.45	6.15	5.90	5.65	5.40	5.20
2 1/2 x 2 1/2 x 3	2000	6.75	6.45	6.15	5.90	5.65	5.45
3x3x3	1000	7.00	6.65	6.40	6.10	5.85	5.60
3x3x4	1000	7.85	7.45	7.15	6.85	6.55	6.30
4x4x3	1000	7.85	7.45	7.15	6.85	6.55	6.30
4x4x4	1000	8.65	8.25	7.90	7.55	7.25	6.95



Moving the plants in bands will keep them flowering without stop. Think of the sales appeal!

ORDER YOUR PLANTRAYS FROM NEXT PAGE ➡



Sales Have Increased Tremendously on Our New Type BALL Veneer" PlanTrays"

Made of **DOUBLE THICK VENEER** for Longer Life

Ideal for Your Retail Plant Sales

No. 2-X

Holds 1 doz. of 2x2½"
Bands. Put up in crates
of 125.

No. 3-X

Holds 1 doz. 2½x2½"
Bands. Put up in crates
of 125.

No. 4-X

Holds 1 doz. 3x3"
Bands. Put up in crates
of 125.

These make very sturdy small flats that will stand up with rough handling—just the thing for good sized plants of any kind to bring in real profits for you. They can also be used for soil without Bands.

These PlanTrays are made just like our Regular No. 2-R shown at right except that veneer is double thick—giving them the strength and stiffness of a small wood flat.

Note also cut below showing our No. 2 Special PlanTrays (25—2x2" bands). For the grower selling small plants in quantity, these (holding 25 plants) are just the thing. Orders should be placed very early—state HOW TO SHIP.



Upper left is No. 2-R PlanTray being filled with 2x2x2½ inch bands; lower left same with nice Tomato plants growing; lower right No. 1-R size.

PRICES BALL VENEER PLANTRAYS

Size	Shipping Units of	0-375	500-975	1000-2450	2500-9950	10,000-19,950	20,000-Up
No. 1-R (holds 12 1¾x2½ bands)	125-250	\$43.10	\$41.05	\$39.25	\$37.55	\$36.00	\$34.60
No. 2-R (holds 12 2x2½ bands)	125-250	46.25	44.05	42.10	40.30	38.65	37.15
No. 3-R (holds 12 2½x2½ bands)	125-250	52.85	50.35	48.10	46.05	44.15	42.40
No. 2-X (holds 12 2x2½ bands)	125	55.15	52.50	50.20	48.00	46.05	44.25
No. 3-X (holds 12 2½x2½ bands)	125	63.40	60.40	57.75	55.25	53.00	50.90
No. 4-X (holds 12 3x3 bands)	125	70.30	66.95	64.00	61.25	58.75	56.40
No. 1-S (holds 25 1¾x2 bands)	125	46.10	43.90	41.95	40.15	38.50	37.00
No. 2-S (holds 25 2x2 bands)	125	50.65	48.25	46.10	44.15	42.30	40.65

All prices per 1000 based on quantity ordered as shown below and are net, no cash discount.



On PlanTrays—An additional charge of 10% will be added for odd quantities requiring us to break shipping containers.

SAMPLES SENT ON REQUEST
State Size Wanted

Left, Ball PlanTrays—No. 2-S holds 25—2x2 Bands. Note those sturdy Snaps, Begonias and Petunia Plants—ready to make more money for you and please your customers. No. 1-S holds 25—1¾x2 Bands.

BIRD Vita-Bands—Tom Thumb Flats and Paper Pots

VITA BAND "D" is packed 2,000 to the case, except sizes 3" by 3", 4" by 3", and 4" by 4", which are packed 1,000 to the case.

VITA-BAND 10 is packed 1,000 to the case in all sizes, except 4" by 3", and 4" by 4", which are packed 500 to the case.

VITA BAND "H" is packed 1,000 per case in the three smaller sizes, balance 500 per case.

All prices on Bird material are net, no cash discount, F.O.B. West Chicago or factory, East Walpole, Mass., and are subject to change without notice.

PLANT BANDS	1½x1½x2½	1¾x1¾x2½	2x2x2½	2x2x3	2½x2½x3	3x3x3	4x4x3	4x4x4
VITA-BAND D	\$3.75	\$4.05	\$4.55	\$5.20	\$5.95	\$6.90	\$9.10	\$11.45
VITA-BAND 10	3.60	3.90	4.40	4.90	5.85	6.75	8.85	11.10
VITA-BAND H	.....	5.30	5.65	6.75	7.40	8.25	10.20	12.65

PAPER POTS

	Vita Pots	Red Pots
2 in.	\$14.00	\$ 8.60
2¼ in.	14.30	8.60
2½ in.	14.85	8.70
3 in.	16.40	9.15
3½ in.	21.60	12.20
4 in.	24.35	14.70
5 in.	31.85	18.15

Quantity discounts, Vita-Bands and Pots:
\$200 to \$499, 5%; \$500 to \$999, 7½%; \$1000 up, 10%

TOM THUMB FLATS

Put up in units of 250 only.
Flats per 1000

Size No. 1	Size No. 2
\$44.80	\$49.60

Combination 1000 Flats and 12,000 Vita-Bands 10—Per 1000 Sets

Size No. 1	Size No. 2
\$86.45	\$95.65

Quantity discounts: \$300 to \$1199, 5%; \$1200 up, 10%.



Florist Formula Lawn Grass Mixture

We believe florists are the most critical seed buyers in the world. Whether you sell or grow, we know you want the very finest Lawn Grass Seed. That's why we are offering these special mixtures

blended by ourselves for the florist trade only. We use only heavy weight seed of grasses that produce a deep rooted, permanent turf of lasting beauty. Figure 1 lb. of seed to sow 200 sq. ft.

NEW MERION MIX

20% Merion Blue Grass

This mixture contains 20% or more of the new, sensational Merion Blue Grass, which produces thicker, more luxuriant turf. As this slower-growing, spreading grass takes over, it can be mowed down to $\frac{3}{4}$ inches. **POSTPAID. 1 lb., \$3.00.**

SUNNY LOCATIONS

Our general purpose lawn mixture of exceptionally high quality. This is our recommendation for all locations where special consideration is not necessary.

Pre-packaged in individual resale containers.—**POSTPAID.** 3 lbs., \$3.60; 5 lbs., \$5.75; 10 lbs., \$11.25; 25 lbs., \$27.50. State type, **sunny** or **shady**.

Bulk Prices—F.O.B. WEST CHICAGO. In quantities of 30 to 300 lbs., 89c per lb. Over 300 lbs., write us. State type, **sunny** or **shady**.

SHADY LOCATIONS

For those shady locations we have a special mixture blended to withstand and thrive in even the deepest of shade! For partial shade, use the mixture at left.

SPECIAL DEALER OFFER No. 1

(f.o.b. West Chicago)

12	1 lb. pkgs.	}	55 lbs.
6	3 lb. pkgs.		Your cost
5	5 lb. pkgs.		\$50.00

(Suggested Retail—\$72.00)

VILLAGE GREEN

An economy mixture that fills the need for a good quality, inexpensively priced lawn grass seed.

Pre-packaged in individual resale containers.—**POSTPAID.** 3 lbs., \$2.55; 5 lbs., \$4.00; 10 lbs., \$7.75; 25 lbs., \$19.00.

Bulk Prices—F.O.B. WEST CHICAGO. 30 to 300 lbs., 54c per lb. Over 300 lbs., write us.

SPECIAL DEALER OFFER No. 2

(f.o.b. West Chicago)

12	1 lb. pkgs.	}	55 lbs.
6	3 lb. pkgs.		Your cost
5	5 lb. pkgs.		\$35.25

(Suggested Retail—\$50.50)

ALL ABOVE PRICES NET

VIBRA - SEEDER

So simple, yet so practical! Even the finest of seeds can be spaced with complete accuracy. After a little experience or practice, it is very possible to greatly reduce the quantity needed by eliminating loss thru "bunching." NO necessity of changing parts to adapt the seeder to a special type or size of seed—equally good on all sizes and shapes. We use this seeder extensively in our own seed sowing operations. **Price each, \$1.95.**



Perennials

We recommend sowing perennials in spring. Germination will be better than during the heat of midsummer and the larger plants produced will winter over more satisfactorily. In addition, if sowing is done in January or early February, quite a few will bloom the first season.

We feel that every grower should include at least a few perennials in his outdoor planting. They get along admirably with little care, and many make really profitable cut flowers.

ACHILLEA

- **Filipendula, Parker's Variety** (Cloth of Gold). 225,000 S. Large heads of golden yellow flowers on long stems; fine for cutting.
 - **The Pearl** (Ptarmica). 175,000 S. 30 in. The standard double white for cutting.
- Prices above 2, each: tr. pkt., 30c; 1/8 oz., 70c; 1/4 oz., \$1.25.

ACONITUM (Monks Hood)

Napellus. Dark blue; does best in partial shade. Tr. pkt., 30c; 1/4 oz., 80c.

ALSTROEMERIA

Chilensis. Shades of pink, rose and red. Medium tall. Germination erratic. Tr. pkt., 55c; 1/4 oz., \$1.65; 1 oz., \$5.00.

ALYSSUM

The two varieties following are perfectly hardy with us and make fine, free flowering rock garden or border plants.

- **Saxatile Compactum** (Gold Dust). 30,000 S. 12 in. Flowers early May. Rich golden yellow. Tr. pkt., 20c; 1/4 oz., 35c; 1 oz., \$1.00.

Saxatile Silver Queen (Sulphureum). 30,000 S. Light lemon-yellow. Tr. pkt., 30c; 1/4 oz., 65c; 1 oz., \$2.40.

ANCHUSA

Dropmore Strain. (Italica). 1100 S. 5 ft. Nice blue for cutting. Tr. pkt., 20c; 1 oz., 60c.

Myosotidiflora. 10,500 S. 12 in. May flowering, forget-me-not-blue. Seed should be placed in refrigerator for 72 hours before sowing. Tr. pkt., 60c; 1/8 oz., \$1.35; 1/4 oz., \$2.50; 1 oz., \$8.50.

ANEMONE

St. Brigid Mixed. Choice long-stemmed mixture of brilliant colors. Tr. pkt., 55c; 1/4 oz., \$1.10; 1 oz., \$3.25.

ANTHEMIS

Kelwayi (Hardy Marguerite). 85,000 S. 3 ft. Yellow Daisy flowers produced all summer. Tr. pkt., 20c; 1 oz., 70c.

AQUILEGIA (Columbine)

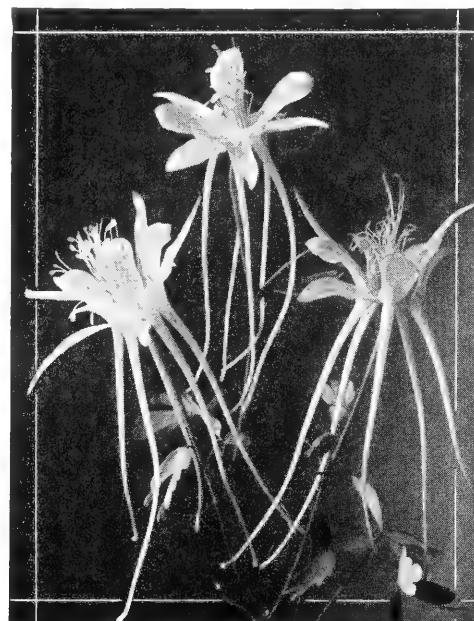
15,500 S. Though not well adapted for shipping, well grown Columbines are of definite cut-flower value for retail growers. Not at all difficult to force either. Pot up from the field the first year plants, storing in a cold house or frame until about February 1. Start in a low temperature, gradually increasing to around 50°.

Alpina. 18 in. Mid-blue, shaded purple. Short spurs. Tr. pkt., 40c; 1/4 oz., \$1.10; 1 oz., \$3.25.

Coerulea (Rocky Mountain Columbine). 18 in. Sky-blue with white corolla. Tr. pkt., 40c; 1/4 oz., \$1.10; 1 oz., \$3.25.

Copper Queen. 2 ft. Copper-red shades with straw-yellow corolla. Tr. pkt., 55c; 1/8 oz., \$1.65; 1/4 oz., \$3.00.

AQUILEGIA LONG SPURRED MIXTURE



AQUILEGIA, Continued

- **Long Spurred Mixture.** A well-balanced blend with large flowers and long spurs. Based on our trial ground observations, this is the preferred mixture. Tr. pkt., 40c; 1/4 oz., \$1.00; 1 oz., \$3.25.

- **Crimson Star Hybrids.** 18 in. About 90% dark red with white corolla. Tr. pkt., 60c; 1/8 oz., \$1.75; 1/4 oz., \$3.00.

Longissima Yellow. 2 ft. Delicate, pale yellow with extra long (4-in.) spurs. Tr. pkt., 60c; 1/16 oz., \$2.50; 1/8 oz., \$4.75.

- **Longissima Mixed.** 2 ft. A variety of attractive shades in this extra long-spurred class. Tr. pkt., 60c; 1/16 oz., \$2.00.

Mrs. Nicholls. 2 ft. Large flowered, clear deep blue. Tr. pkt., 50c; 1/8 oz., \$1.50; 1/4 oz., \$2.75; 1 oz., \$9.00.

- **Mrs. Scott Elliott's Mixture.** 2 ft. An excellent long-spurred mixture. Tr. pkt., 40c; 1/4 oz., \$1.00; 1 oz., \$3.25.

Rose Queen. 18 in. Rose with white corolla. Tr. pkt., 40c; 1/4 oz., \$1.00; 1 oz., \$3.25.

Snow Queen. 2 ft. Pure white flowers. Tr. pkt., 40c; 1/4 oz., \$1.00; 1 oz., \$3.25.

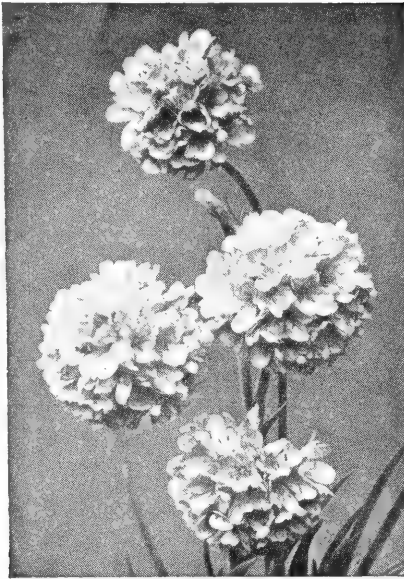
ARABIS (Rock Cress)

150,000 S.

- **Alpina Snowcap.** 6 in. Dwarf compact plants with dense masses of shining snow-white flowers. Blooms very early in spring. Tr. pkt., 40c; 1/4 oz., 80c; 1 oz., \$2.75.

Alpina. 12 in. White. Tr. pkt., 25c; 1/4 oz., 55c; 1 oz., \$1.80.

Spring Charm (Blepharophylla). Carmine-red. Tr. pkt., 50c; 1/8 oz., \$1.25; 1/2 oz., \$4.50.



ARMERIA
GLORY OF HOLLAND

ARMERIA (Thrift)

Formosa, Large-Flowered Hybrids. Tr. pkt., 40c; 1/8 oz., 75c; 1/4 oz., \$1.40; 1 oz., \$4.25.

Alpina. Dwarf, bright rose. Tr. pkt., 75c; 1/16 oz., \$2.75.

● **Glory of Holland.** Pictured above. Ball-shaped deep pink flowers about 1 1/2 inches in diameter, carried on straight wiry stems 2 feet long. Fine for cutting and blooms throughout the summer. Tr. pkt., 60c; 1/8 oz., \$2.00.

Maritima (Statice Armeria). 17,500 S. 12 in. Lilac-rose. Grass-like, evergreen foliage. Tr. pkt., 60c; 1/8 oz., \$1.50.

ARTEMISIA

Silver Plume (Lactiflora). Silvery foliage; creamy blooms. For cutting. Tr. pkt., 40c; 1/16 oz., 75c; 1/4 oz., \$2.25.

ASCLEPIAS

Tuberosa. 4500 S. Fine orange for cutting. Requires well-drained location. Freezing over winter helps germination. Tr. pkt., 30c; 1/4 oz., 90c; 1 oz., \$3.00.

ASPARAGUS

Willow Spray (Verticillatus). Completely hardy, summer green material. Finely cut foliage. Requires 3 years for best results. Tr. pkt., 55c; 1/2 oz., \$1.35; 1 oz., \$2.50.

ASTER

Hardy Large-Flowered Mixture. Pictured on next page. Perfectly hardy and attractive assortment. Tr. pkt., 55c; 1/8 oz., \$1.25; 1/4 oz., \$2.25.

Alpinus, Finest Mixed. Lavender, blue and white flowers. Tr. pkt., 55c; 1/8 oz., \$1.10.

AUBRIETIA

Large-Flowered Hybrids (Monarch Strain). 150,000 S. 6 in. Low growing matlike plants; similar to Arabis but with flowers in a wide range of colors from lilac to purple.

Hendersoni. Deep purple.

Leichtlini. Carmine-rose.

Prices above 3, each: tr. pkt., 55c; 1/8 oz., \$1.10.

Baby's Breath. See Gypsophila, pages 24 and 57; also Euphorbia Corollata, page 56.

PERENNIALS—Continued

BAPTISIA

Australis (False Indigo). 1700 S. Sprays of pea-shaped indigo-blue flowers. 3 ft. Tr. pkt., 30c; 1 oz., 80c.

BELLIS

PERENNIS (Monstrosa). This popular double English Daisy is much used for spring and early summer bedding. Though a perennial, it is commonly grown as an annual like Pansies.

Red	Rose	White
-----	------	-------

Prices above 3, each: tr. pkt., 60c; 1/8 oz., \$2.00; 1/4 oz., \$3.75.

Mixture. Tr. pkt., 60c; 1/8 oz., \$1.80; 1/4 oz., \$3.40.

BOCCONIA

Japonica (Plume Poppy). Huge spikes of creamy white flowers on 6-ft. plants. Tr. pkt., 30c; 1/4 oz., 55c; 1 oz., \$1.65.

BOLTONIA

Latisquama. 95,000 S. 4 to 5 ft. Aster-like perennial with flowers of delicate pink about 1 in. across. Tr. pkt., 30c; 1/4 oz., \$1.00; 1 oz., \$3.25.

BROOM

Hybrids Mixed. 5500 S. 4 to 5 ft. Vigorous, hardy shrubs in a range of bright colors including all shades of pink, orange, terra cotta and crimson. Flowers second season from seed. Tr. pkt., 50c; 1/8 oz., \$1.25; 1/4 oz., \$2.35.

CAMPANULA

CARPATICA. 350,000 S. 12 in. Perennial. Wide, upright cup-shaped flowers are borne on slender erect stems. Plants are leafy clumps.

Blue. Tr. pkt., 30c; 1/8 oz., 80c; 1/4 oz., \$1.45.

● **Cullinmore Mixture.** Contains many new colors in this dwarf class. Tr. pkt., 60c; 1/8 oz., \$1.50; 1/4 oz., \$2.80.

Rock Garden Blend. Desirable, low-growing kinds in a wide range of Campanula colors. Tr. pkt., 75c.

MEDIUM CALYCANTHEMA. (Cup-and-Saucer Type.) 120,000 S. 3 ft. Biennial. Both this and the following (Medium Single) are easily forced for spring greenhouse flowering either as pot plants or for cutting.

Dark Blue	Light Blue	Rose	White	Mixture
-----------	------------	------	-------	---------

Prices above 5, each: tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75.

MEDIUM SINGLE (Canterbury Bells). 135,000 S. 3 ft. Biennial.

Dark Blue	Light Blue	Pink	White	Mixture
-----------	------------	------	-------	---------

Prices above 5, each: tr. pkt., 20c; 1/4 oz., 30c; 1 oz., 90c.

MEDIUM DOUBLE (Canterbury Bells).

Formula Mixed. Tr. pkt., 30c; 1/4 oz., 80c; 1 oz., \$2.40.

PERSICIFOLIA. 340,000 S. 30 in. Perennial. 1-in. bell-shaped flowers on stiffly erect stems. 15-in. spikes.

White	Blue	Mixture
-------	------	---------

Prices above 3, each: tr. pkt., 40c; 1/8 oz., \$1.00; 1/4 oz., \$1.85.

Telham Beauty. 30 in. Large bells of China-blue. Tr. pkt., 40c; 1/8 oz., \$1.00; 1/4 oz., \$1.85.

PYRAMIDALIS. 250,000 S. 5 ft. Perennial.

Mixture. Tr. pkt., 40c; 1/8 oz., \$1.00; 1/4 oz., \$1.85.

Perennial Candytuft. See Iberis, page 57.

PERENNIALS—Continued

CHRYSANTHEMUM

● **Glory Mixture.** Our finest mixture of hardy Chrysanthemums with an exceedingly wide range of brilliant colors. Contains Korean and Arcticum Hybrids, Azaleamums, Indicums and Morifoliums. Tr. pkt., 80c; 1/8 oz., \$2.50; 1/4 oz., \$4.50.

Korean Hybrids. 60,000 S. Single and semi-double types in a good color range. Some bloom rather late for localities with early frost dates. Tr. pkt., \$1.00; 1/8 oz., \$2.50; 1/4 oz., \$4.50.

CLEMATIS

Paniculata. 10,000 S. White-flowered climber.

Recta Mandschurica. 5000 S. Panicles of fragrant white flowers on 4- to 5-ft. plants.

Prices above 2, each: tr. pkt., 75c; 1/8 oz., \$1.50; 1/4 oz., \$2.75.

COREOPSIS

The long, graceful stems and rich, golden yellow color give this plant real value for cutting. We find it best treated as a biennial.

● **Sunburst (New Gold).** 11,000 S. 24 in. A fine semi-double strain, with 2-in. golden yellow flowers. Tr. pkt., 20c; 1/4 oz., 35c; 1 oz., \$1.10.

Mayfield Giant. 11,000 S. 30 in. Extra large deep golden yellow. Single. Tr. pkt., 20c; 1/4 oz., 30c; 1 oz., 90c.



ASTER HARDY LARGE FLOWERED MIXTURE

CARNATION

GRENADIN (Hardy Carnation). 14,000 S. 20 in. Good for cutting.

King of the Blacks. Darkest red.

Golden Sun ● Pink ● Red White ● Mixture

Prices above 6, each: tr. pkt., 60c; 1/4 oz., \$2.00; 1 oz., \$6.50.

Annual Carnations. See page 17.

CATANANCHE

Coerulea. 16,000 S. 24 in. Nice everlasting for cutting, with light lavender-blue, Centaurea-like flowers produced freely first year from seed. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75.

CENTAUREA

Montana. 1600 S. 24 in. Large cornflower-blue flowers. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.50.

Centaurea Cyanus. See page 18.

CERASTIUM

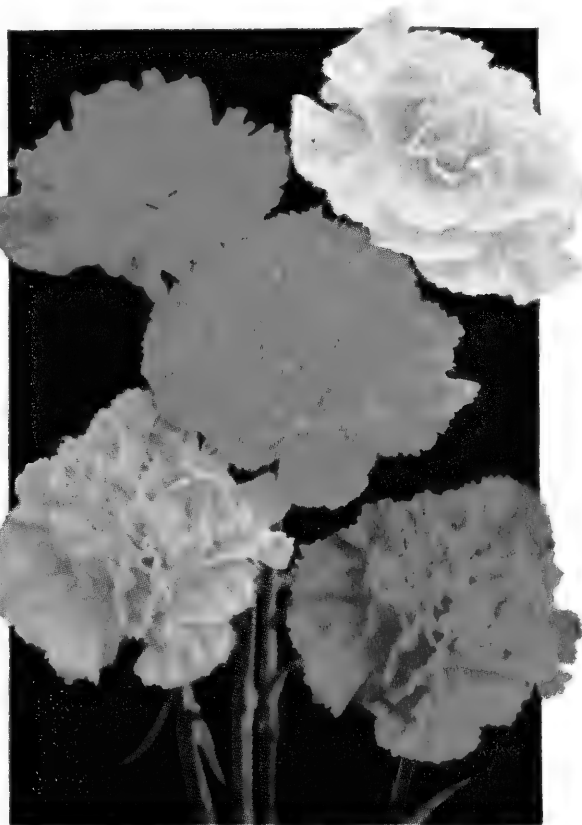
● **Tomentosum (Snow-in-Summer).** 42,000 S. 10 to 12 in. An excellent dwarf bedding perennial with silvery white foliage and small white flowers. Tr. pkt., 30c; 1/4 oz., 60c; 1 oz., \$1.80.

CHEIRANTHUS (Siberian Wallflower)

● **Golden Bedder.** 19,000 S. 18 in. Large, deep golden yellow. Tr. pkt., 20c; 1 oz., \$1.00.

Orange Queen. 19,000 S. 18 in. Free flowering brilliant orange. Tr. pkt., 15c; 1 oz., 50c.

Annual Wallflower. See page 45.



CARNATION GRENADIN MIXTURE



Giant Pacific Delphinium
King Arthur Summer Skies

OUR "6 BEST" GIANT PACIFICS

Galahad	Summer Skies	Black Knight
Blue Bird	King Arthur	Guinevere

SPECIAL OFFER: 1 tr. pkt. each "6 Best" varieties, \$8.00.

Florists' Delphinium

(10,000 seeds per oz.)

GIANT PACIFIC STRAINS Court Series

- **Black Knight.** Deep velvety blue. The darkest of all.
 - **Blue Bird.** The clearest of medium blues; white bees.
 - **Blue Jay.** A brilliant true medium blue with dark bee.
 - **Cameliard.** A pure lavender with white bee. Very attractive.
 - **Galahad.** The finest clear white Delphinium.
 - **Guinevere.** Excellent, light pinkish lavender; white bee.
 - **King Arthur.** Royal violet with white bee. Exceptional size.
 - **Percival.** Large, glistening white flowers with black bees.
 - **Summer Skies.** Light blue with attractive white bee.
 - **6 Best Mix.** Formula mixture of the "6 Best" varieties.
 - **Round Table.** Contains all above plus many new colors.
- Prices above 11, each: tr. pkt., \$1.50; 1/8 oz., \$2.50; 1/4 oz., \$4.50; 1 oz., \$15.50.

Astolat. This series is composed principally of pale blush shades with several darker tones including a few raspberry-rose. All have dark bees. 1/2 tr. pkt., \$1.50; tr. pkt., \$2.25; 1/8 oz., \$4.50; 1/4 oz., \$8.00; 1 oz., \$24.00.

Giant Pacific Regular Strain

- Clear White.** A fine clear white, large flowered.
- Blue Shades.** Mixture of light, medium and dark blue shades.
- Lavender Pastel Shades.** Lavender combinations with dark bees.
- Mixture.** All colors in this fine type.
- Prices above 4, each: tr. pkt., \$1.00; 1/8 oz., \$2.25; 1/4 oz., \$4.00; 1 oz., \$13.50.

DELPHINIUM CHINENSIS

(Annual Delphinium)

(20,000 seeds per oz.)

- **Blue Mirror.** Bright navy-blue flowers without spurs. Tr. pkt., 55c; 1/4 oz., \$1.25; 1 oz., \$3.75.
 - **Cambridge Blue.** The standard Belladonna-blue variety. Tr. pkt., 40c; 1/4 oz., 80c; 1 oz., \$2.75.
- | | | |
|-------|-----------|---------|
| White | Dark Blue | Mixture |
|-------|-----------|---------|
- Prices above 3, each: tr. pkt., 20c; 1/4 oz., 40c; 1 oz., \$1.35.

OTHER VARIETIES

- **Belladonna Imp.** (Cliveden Beauty). A carefully reselected strain of this popular light blue. Tr. pkt., 40c; 1/4 oz., \$1.00; 1 oz., \$3.25; 4 ozs., \$11.00; 1 lb., \$40.00.
- **Belladonna.** Light blue. Tr. pkt., 35c; 1/4 oz., 70c; 1 oz., \$2.35.
- **Bellamosum Improved.** A reselected strain of this standard deep blue. Tr. pkt., 40c; 1/4 oz., \$1.00; 1 oz., \$3.25; 4 ozs., \$11.00; 1 lb., \$40.00.
- **Lamartine.** Deep, bright marine-blue with white eye. Tr. pkt., 55c; 1/4 oz., \$1.50; 1 oz., \$5.00.
- **Blackmore and Langdon Hybrids.** Shades of blue with contrasting bees. A fine free-flowering hybrid strain. Tr. pkt., 40c; 1/4 oz., \$1.00; 1 oz., \$3.00; 4 ozs., \$10.00.
- **Wrexham or Hollyhock Strain.** Extra large, tapering spikes. Tr. pkt., 55c; 1/4 oz., \$1.75; 1 oz., \$6.00.
- **Gold Medal Hybrids.** Tr. pkt., 30c; 1/4 oz., 55c; 1 oz., \$1.75.
- **Cardinale.** Bright scarlet. Tr. pkt., 40c; 1/4 oz., 80c; 1 oz., \$2.50.

PERENNIALS—Continued

DAISY, SHASTA

(Chrysanthemum Maximum)

● **G. Marconi.** The largest flowered and finest double Shasta Daisy strain. Long-stemmed. ORIGINATOR'S SEED: Tr. pkt., 80c; 5 tr. pkts., \$3.60. REGULAR STOCK: Tr. pkt., 60c; 1/8 oz., \$1.65; 1/4 oz., \$3.00.

Double Fringed (Diener's). 18,000 S. A specially reselected strain producing about 50% good double types that should be propagated by division. Tr. pkt., 60c; 1/16 oz., \$1.35; 1/4 oz., \$4.25.

June Marguerite. 40,000 S. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.50.

● **Mayfield Giant.** 21,000 S. Quite large flowered, end of June. **Alaska.** 21,000 S. The standard Shasta Daisy. July.

Conqueror. 21,000 S. Giant late white. Late July.

Prices above 3, each: tr. pkt., 20c; 1/4 oz., 35c; 1 oz., \$1.00.

DIANTHUS

28,000 S. Easily grown from seed and flowers the second season from sowing. Germinates best in soil temperature of 65° to 75°.

Allwoodi Alpinus Mixed. (8 to 10 in.). 1 1/2-in. single flowers in shades of pink. Early June. Tr. pkt., 35c; 1/8 oz., \$1.00; 1/4 oz., \$1.75.

Deltoides Erecta. 6 in. June flowering. A dwarf red "Maiden Pink." A fine substitute for creeping Phlox. Tr. pkt., 35c; 1/8 oz., \$1.00; 1/4 oz., \$1.75.

● **Latifolius Atrococcineus.** 12 to 15 in. Miniature Rose-like flowers. Bright-crimson. Tr. pkt., 35c; 1/8 oz., \$1.00; 1/4 oz., \$1.75; 1 oz., \$5.25.

Loveliness. Pictured above, right. Large, fringed and curled, pastel flowers. Quite fragrant. Tr. pkt., 50c; 1/8 oz., \$1.50.

Winteri. Large single flowers in a rich mixture of pure colors are borne on compact 9-in. plants. Long blooming period. Tr. pkt., 60c; 1/8 oz., \$1.50; 1/2 oz., \$5.00.

PLUMARIUS (Clove Pink).

Cyclops. Rose with crimson ring. Tr. pkt., 40c; 1/4 oz., \$1.10.

Double Mixture (Scoticus Florist Strain). Various shades of pink, rose, salmon and white; some self colors, other with bright crimson zone. 1 1/2- to 2-in. flowers on 12- to 15-in stems. Tr. pkt., 35c; 1/8 oz., \$1.00; 1/4 oz., \$1.75; 1 oz., \$5.25.

Single Mixture. 20 in. Free flowering and sweet scented. Tr. pkt., 20c; 1/4 oz., 40c; 1 oz., \$1.45.

BARBATUS (Sweet William). 24 in. Early June flowering. Perfectly hardy, flowering second season from seed. All of the following named varieties are single.

● **Holborn Glory.** Striking combination of crimson with white.

● **Newport Pink** (Pink Beauty). A particularly rich pastel salmon-rose shade. Very attractive.

Purple Beauty. A rich deep color.

Scarlet Beauty. Well named, intense scarlet-red.

Giant White. Ours is an extra large-flowered strain.

Single Mixture. ● **Double Mixture.**

Prices above 7, each: tr. pkt., 35c; 1/4 oz., 75c; 1 oz., \$2.60.

● **Single Midget Mixed.** Very fine neat alpine and rock plant. 6 to 8 in. with dense heads of single Sweet William flowers. Tr. pkt., 60c; 1/4 oz., \$1.50; 1 oz., \$4.75.

● **Double Midget Mixed.** 6 to 8 in. Like above except flowers are double. Tr. pkt., 40c; 1/4 oz., 90c; 1 oz., \$3.00.

Annual Dianthus. See page 22.



DIANTHUS LOVELINESS

DICENTRA

Spectabilis (Bleeding Heart). 6000 S. 32 in. Rosy red flowers. Tr. pkt., \$1.00; 1/16 oz., \$2.00; 1/8 oz., \$3.75.

Eximia (Plumy Bleeding Heart). 16,000 S. Dwarf, 12 in. Rose-pink. Tr. pkt., 40c; 1/4 oz., \$1.10.

DICTAMNUS

Fraxinella (Gas Plant.) 1700 S. 30 in. Pink with dark veins. Tr. pkt., 30c; 1/4 oz., 55c; 1 oz., \$1.85.

DIGITALIS

GLOXINOIDES (Foxglove). 180,000 S. 4 ft. Biennial. This is an extra large flowered strain.

Purple **Rose** **White** **Giant Shirley Mixture**

Prices above 4, each: tr. pkt., 25c; 1/4 oz., 60c; 1 oz., \$2.15.

DORONICUM

Caucasicum, Magnificent. 18,000 S. 2 ft. Large yellow Gerbera-like flowers with long stems. Keeps well when cut. Tr. pkt., \$1.00; 1/8 oz., \$2.25.

ECHINOPS

Ritro (Globe Thistle). Metallic blue flower heads 1 1/2 to 2 in. across are borne on 2- to 3-ft. plants. Can be dried for winter bouquets. Tr. pkt., 40c; 1/4 oz., \$1.10; 1 oz., \$3.25.

Edelweiss. See Leontopodium, page 57.



FEVERFEW BALL DOUBLE WHITE IMPROVED

EUPHORBIA

Corollata (Wild Baby's Breath). 8700 S. 24 in. Small Gypsophila-like white flowers. Tr. pkt., 40c; 1/8 oz., \$1.25; 1/4 oz., \$2.25.

Myrsinites. Attractive succulent-like silvery green foliage. Each branch produces a brilliant yellow bract of leaves in May. 6-8 in. tall. Tr. pkt., 35c; 1/8 oz., \$1.00.

Polychroma. 15 to 18 in. Bushy plants with bracts of bright yellow changing to rosy bronze. Tr. pkt., 60c; 1/16 oz., \$1.35.

FEVERFEW (Matricaria)

CAPENSIS. 145,000 S. 18 in. grown outside; 3 to 5 ft. when grown in greenhouse. Sowings made during January will provide a welcome cut the same summer.

● **Ball Double White Improved**. This strain has been carefully reselected for fully double flowers, and our own trials show it to be well over 90% true, double, imbricated blooms. Nearly all of the single and anemone types have been removed. Tr. pkt., 50c; 1/32 oz., \$1.00; 1/8 oz., \$3.60.

ALL-DOUBLE DWARF. 8 to 10 in. Uniformly dwarf and compact plants which are a solid mass of ball-shaped flowers slightly over 1/2-inch across. Very attractive for border work and makes an excellent pot plant.

● **Golden Nuggets**. Rich butter-yellow.

● **Snow Puffs**. Pure white; very effective.

Prices above 2, each: tr. pkt., 35c; 1/16 oz., 60c; 1/4 oz., \$2.00.

Foxglove. See Digitalis, page 55.

GAILLARDIA

GRANDIFLORA. 9500 S. The following strains, except Goblin, are excellent cut-flower sorts.

● **Dazzler**. The standard fine cutting strain. Golden yellow with maroon center.

● **Monarch Strain**. A superior mixture of large, full-petaled flowers in various red and yellow combinations.

Prices above 2, each: tr. pkt., 30c; 1/4 oz., 55c; 1 oz., \$1.85.

PERENNIALS—Continued

GAILLARDIA, Continued

● **Burgundy**. Deep shade of wine-red. Tr. pkt., 30c; 1/4 oz., 75c; 1 oz., \$2.35.

Portola Hybrids Mixed. Large maroon-red flowers tipped with yellow. Tr. pkt., 30c; 1/4 oz., 55c; 1 oz., \$1.85.

Goblin. Forms very attractive compact plants with red and yellow bicolored flowers. Quite free flowering. Tr. pkt., 25c; 1/4 oz., 75c; 1 oz., \$2.35.

Aurea Pura. Pure yellow. Tr. pkt., 30c; 1/4 oz., 60c; 1 oz., \$2.00.

Annual Gaillardia. See page 23.

Gas Plant. See Dictamnus, page 55.

GEUM

7000 S. The following two provide nice cut-flower material and are perfectly winter hardy with some protection.

Lady Stratheden. 24 in. Double golden yellow.

Mrs. Bradshaw. 24 in. Double glowing red.

Prices above 2, each: tr. pkt., 30c; 1/4 oz., 90c; 1 oz., \$2.70.

GILIA

Coronopifolia (Standing Cypress). Heads of scarlet flowers on 5-ft. plants. Biennial. Tr. pkt., 30c; 1/8 oz., 65c; 1/4 oz., \$1.10.



GAILLARDIA

PERENNIALS—Continued

GYPSOPHILA

34,000 S. Valuable for outdoor summer cutting and easily and economically grown.

● **Pacifica.** 42 in. Starry pink flowers in September and October. Tr. pkt., 30c; ¼ oz., 80c; 1 oz., \$2.85.

● **Oldhamiana.** 30 in. Feathery light pink flowers with silvery foliage. Blooms first year from an early sowing. October flowering—watch frost dates. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.50.

PANICULATA. The regular white hardy Gypsophila. Note that double grafted varieties like Bristol Fairy are not available from seed.

● **Double Snow Flake.** 40 in. An improved double hardy Gypsophila. About 50% are double flowering plants. Tr. pkt., 40c; ¼ oz., \$1.40; 1 oz., \$4.75.

Single White. 40 in. Tr. pkt., 20c; 1 oz., 45c; 4 ozs., \$1.50.

REPENS. 6 in. An attractive, hardy rock garden plant.

Rose. Tr. pkt., 30c; ¼ oz., 80c; 1 oz., \$2.50.

Annual Gypsophila. See page 24.

HELIANTHEMUM

Mutabile (Sun Rose). 15,000 S. 8 to 10 in. Very attractive dwarf evergreen rock plant completely covered with blooms in mixed colors during July and August. Tr. pkt., 25c; ¼ oz., 45c; 1 oz., \$1.40.

HELLEBORUS

Niger (Christmas Rose). Attractive 2½-in. white flowers; basal foliage. Seed should be frozen before sowing. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50.

HESPERIS

MATRONALIS (Sweet Rocket). 15,000 S. Sweet-scented flowers on 3-ft. plants.

Violet **White**

Prices above 2, each: tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.00.

HEUCHERA

SANGUINEA (Coral Bells). 750,000 S. 24 in.

Splendens. Crimson.

Hybrida Mixed. Shades of red through rose to white.

Prices above 2, each: tr. pkt., 60c; ¼ oz., \$1.75; ½ oz., \$3.25.

HIBISCUS

Mallow Marvels Mixed. 4 ft. Ours is a very showy extra large-flowered strain. Tr. pkt., 25c; ¼ oz., 45c; 1 oz., \$1.35.

HOLLYHOCK

Imperator Improved. 2700 S. Choice double crested "Tuberous Begonia-Flowered" mixture. Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$2.00.

Allegheny Mixed. 2700 S. Single and semi-double types. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., 90c.

● **Triumph.** Extra large, fully double flowers in unusual, delicate art shades. Most blooms are attractively fringed. May be handled as an annual—if sown indoors in February and transplanted to the open in spring, all plants will flower nicely the same summer. Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$1.80.

HOLLYHOCK—Continued

CHATER'S DOUBLE. 3100 S. The standard double.

Chamois Deep Rose Lilac Beauty Newport Pink Scarlet Sulphur-Yellow White Mixture

Black (New). Deep maroon.

Prices: above 9, each: tr. pkt., 30c; ¼ oz., 55c; 1 oz., \$1.65.

IBERIS (Hardy Candytuft)

11,500 S.

Gibraltarica. 12 in. Large-flowered lilac. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50.

Sempervirens. 12 in. White flowers in late May. Seedlings flower second season. Tr. pkt., 55c; ¼ oz., \$1.35; 1 oz., \$4.75.

Jucunda. 4 in. Pink flowers. Tr. pkt., 50c; ¼ oz., \$1.50; ½ oz., \$5.40.

INCARVILLEA

Grandiflora Brevipes. 6000 S. Brilliant dark rose flowers. Tr. pkt., 60c; ¼ oz., \$1.20.

IRIS

Dichotoma (Vesper Iris). Assorted colors; fragrant. Tr. pkt., 35c; ¼ oz., 70c; 1 oz., \$2.10.

Kaempferi. A wide variety of colors with many being double. Tr. pkt., 40c; ¼ oz., 75c; 1 oz., \$2.35.

LATHYRUS

LATIFOLIUS (Hardy or Everlasting Sweet Pea). 500 S. Abundant source of short-stemmed flowers. 7 ft.

Pink Beauty White Pearl Red Mixture

Prices above 4, each: tr. pkt., 25c; ¼ oz., 35c; 1 oz., \$1.10.

LAVANDULA

32,000 S.

● **Munstead Strain.** 12 in. Freely produces large sweet-scented flowers a month earlier than the common Lavender. An improved Vera. Tr. pkt., 40c; ¼ oz., \$1.10.

LEONTOPODIUM

Alpinum (Edelweiss). 275,000 S. Attractive rock garden plant. Small greenish white leaves. Tr. pkt., 60c; ¼ oz., \$1.10; ½ oz., \$2.00.

LIATRIS (Gay Feather)

9500 S. Excellent cut flowers with long, decorative, bold spikes. All are easily grown.

● **Pycnostachya.** Extra long-stemmed—3 to 5 ft. with long, 15- to 18-inch flower spikes of rosy purple. Finest cut-flower kind.

Scariosa Purple. 4 ft. Extra large individual flower heads of rosy purple are carried on long, loosely set spikes.

Spicata. Not quite so long-stemmed or with as long flower spikes as Pycnostachya; purple.

Prices above 3, each: tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.00.

Scariosa White. A very fine pure white. Long spikes. Tr. pkt., 60c; ¼ oz., \$1.50; 1 oz., \$4.50.

● **September Glory.** Tall growing with purple spikes.

Kobold. This Hybrid Liatris is non-branching, forming only one rich lilac-purple spike about 20 inches in length. Starts to flower at top.

Prices above 2, each: tr. pkt., 60c; ¼ oz., \$2.00; 1 oz., \$6.00.



LILY WHITE QUEEN

LILIES

● **White Queen.** (Canadian hardy strain.) 8300 S. This is the largest and finest seed propagated Lily we know of. Produces a plentiful quantity of real quality flowers in 16-18 months from seed. Pure white. $\frac{1}{2}$ tr. pkt., 75c; tr. pkt., \$1.25; $\frac{1}{8}$ oz., \$2.75; $\frac{1}{4}$ oz., \$5.00.

Candidum (Madonna Lily). Tall pure white. Tr. pkt., \$1.25; $\frac{1}{8}$ oz., \$2.75; $\frac{1}{4}$ oz., \$5.25; 1 oz., \$16.50.

Formosanum, Giant Flowered. 8200 S. An improved form of Philippine Lily. White flowers. Tr. pkt., 60c; $\frac{1}{4}$ oz., \$1.25; 1 oz., \$3.75; 4 ozs., \$13.00.

Henryi. Orange, spotted brown. Seed should be frozen in flats for four weeks at about 30° for best germination. Tr. pkt., 60c; $\frac{1}{4}$ oz., \$1.50; 1 oz., \$5.00.

Regale (Regal Lily). 6500 S. The large, showy flowers are pure white inside with yellow base; reverse of petals is tinged with pink. Tr. pkt., 25c; $\frac{1}{4}$ oz., 60c; 1 oz., \$1.50; 4 ozs., \$5.00.

Rothschildiana. Crimson with yellow bands. Popular corsage flower. Tr. pkt., \$1.00; $\frac{1}{8}$ oz., \$2.75; $\frac{1}{4}$ oz., \$5.00.

Tenuifolium, Coral Lily. Freely produces medium sized flowers of brilliant coral-red. 18 to 20 in. tall. May flowering. Tr. pkt., 40c; $\frac{1}{4}$ oz., 80c.

Tenuifolium, Golden Gleam. Rich honey-amber; free flowering. Tr. pkt., 60c; $\frac{1}{4}$ oz., \$1.50; 1 oz., \$4.75.

LINUM

Perenne (Perennial Flax). 8500 S. 2 ft. Attractive blue flowers on slender stems. Tr. pkt., 20c; 1 oz., 60c.

Flavum. Yellow. Tr. pkt., 30c; $\frac{1}{4}$ oz., 75c.

Collinum. Dwarf growing, bright blue. Tr. pkt., 40c; $\frac{1}{4}$ oz., 80c; 1 oz., \$2.50.

LOBELIA

Cardinalis (Cardinal Flower). 725,000 S. 36 in. Bright cardinal-red. Tr. pkt., 40c; $\frac{1}{4}$ oz., \$1.30; 1 oz., \$3.90.

LUNARIA

BIENNIS (Honesty or Money Plant). 1500 S.

White

Mixture

Prices above 2, each: tr. pkt., 25c; $\frac{1}{4}$ oz., 40c; 1 oz., \$1.40.

PERENNIALS—Continued

LUPINE

POLYPHYLLUS (Hardy Lupine). Fine for cutting. Requires a well-drained location and thrives best in cool climate.

● **Russell Strain.** 1000 S. Long, closely set spikes of extra large florets in rich self colors and unusual bicolors. Developed by a famous English specialist. Reselected Stock (Originator's packets): 24 seeds, 40c; 65 seeds, 65c; 150 seeds, \$1.25; 350 seeds, \$2.50. Regular seed: tr. pkt., 40c; $\frac{1}{4}$ oz., 65c; 1 oz., \$2.10; 4 ozs., \$6.50.

MISCELLANEOUS POLYPHYLLUS VARIETIES. 1450 S.

Dark Blue. Tr. pkt., 20c; $\frac{1}{4}$ oz., 40c; 1 oz., \$1.15.

Rose. Tr. pkt., 35c; $\frac{1}{4}$ oz., 65c; 1 oz., \$2.00.

White. Tr. pkt., 20c; $\frac{1}{4}$ oz., 35c; 1 oz., \$1.10.

● **Harkness Regal Mixture.** The standard fine hybrid mixture. Tr. pkt., 20c; $\frac{1}{4}$ oz., 35c; 1 oz., \$1.10.

LYCHNIS

● **Chalcedonica** (Maltese Cross). 64,000 S. 36 in. Scarlet. Tr. pkt., 25c; $\frac{1}{4}$ oz., 45c; 1 oz., \$1.40.

Rose. 5 in. Brilliant rose, for rock gardens. Tr. pkt., 50c.

Forrestii. 15 in. Mixture of rose, lilac, white and red. Excellent cut flower and bedding plant. Tr. pkt., 35c; $\frac{1}{4}$ oz., 80c; 1 oz., \$2.40.

MATRICARIA

See Feverfew, page 56.

MYOSOTIS (Forget-Me-Not)

42,000 S.

● **Blue Bird** (Oblongata). 12 in. Standard blue for spring greenhouse flowering. Tr. pkt., 40c; $\frac{1}{4}$ oz., 90c; 1 oz., \$3.25.

Palustris Semperflorens. Dwarf blue, 12 in. Flowers from early spring until autumn. Tr. pkt., 40c; $\frac{1}{4}$ oz., 90c; 1 oz., \$3.25.

VICTORIA. A dwarf, compact strain. 6 to 8 in.

Dark Blue	Rose	White	Dwarf Mixed
Prices above 4, each: tr. pkt., 40c; $\frac{1}{8}$ oz., 90c; $\frac{1}{4}$ oz., \$1.65; 1 oz., \$4.90.			

ALPESTRIS. Biennial.

Blue Eyes. Early flowering bright blue with white eye. Tr. pkt., 60c; $\frac{1}{4}$ oz., \$1.50; 1 oz., \$4.75.

● **Royal Blue** (Indigo Blue). 12 in. Deep rich blue. Tr. pkt., 40c; $\frac{1}{4}$ oz., 85c; 1 oz., \$3.00.

Myosotis Ball Early. See page 29.

NEPETA

Mussini (June-flowering Catnip). 52,000 S. 12 in. Neat bushes with light blue flowers; both foliage and flowers are aromatic. Tr. pkt., 30c; $\frac{1}{4}$ oz., 75c; 1 oz., \$2.25.

OENOTHERA

Youngi (Sundrop). 18 in. Large yellow blooms. Tr. pkt., 25c; $\frac{1}{4}$ oz., 65c; 1 oz., \$2.00.

Missouriensis. 12 in. Large flowered yellow. Tr. pkt., 30c; $\frac{1}{4}$ oz., \$1.20.

Painted Daisy. See Pyrethrum, page 59.

PENTSTEMON

Avalon Hybrids. 3 ft. Spikes of fine, large flowers in an extremely wide and unusual range of colors. The result of crossing 2 distinct species. Tr. pkt., 40c; $\frac{1}{8}$ oz., 80c; $\frac{1}{4}$ oz., \$1.50.

Annual Pentstemon. See page 32.

PERENNIALS—Continued

PHLOX

Hardy Phlox should be sown outside in late fall to germinate in spring, or sown and refrigerated for about one month.

Beltsville Beauty. A greatly improved perennial Phlox. Large flowered, and a wide assortment of colors. Tr. pkt., **75c**; ¼ oz., **\$1.70**; 1 oz., **\$5.00**.

Decussata Mixture. 2500 S. 3 ft. Our strain of this popular perennial Phlox contains many large-flowered, brilliantly colored types. Tr. pkt., **40c**; ¼ oz., **80c**; 1 oz., **\$2.50**.

PHYSALIS

Francheti (Chinese Lantern Plant). Giant orange-scarlet pods. Tr. pkt., **30c**; ¼ oz., **80c**; 1 oz., **\$2.50**.

PHYSOSTEGIA

Virginica (False Dragonhead). 16,000 S. 4 ft. Rosy lilac. Tr. pkt., **60c**; ¼ oz., **\$1.50**; 1 oz., **\$5.00**.

Pinks. See Dianthus, pages 22 and 55.

PLATYCODON

GRANDIFLORUM (Tufted Harebell or Balloon Flower). 28,000 S. 24 in. Very attractive for spring sales.

Blue. A clear, deep violet-blue.

White

Mixed.

Prices above 3, each: tr. pkt., **40c**; ⅛ oz., **90c**; ¼ oz., **\$1.60**.

POPPY

ORIENTALE (Oriental Poppy). 140,000 S. Large cup-shaped flowers with crinkled petals. Newly opened flowers when cut in early morning or late evenings will keep in water for 3 to 5 days if ends of stems are well burned within 5 minutes of cutting.

Beauty of Livermere. Dark oxblood-red. Tr. pkt., **35c**; ¼ oz., **\$1.25**.

Brilliant. Vivid, fiery red. Tr. pkt., **35c**; ⅛ oz., **\$1.00**; ¼ oz., **\$1.75**.

Princess Victoria Louise. The standard light orange. Tr. pkt., **35c**; ¼ oz., **\$1.00**; 1 oz., **\$3.75**.

Salmon Shades. Huge blossoms in unusual new salmon shades. Tr. pkt., **40c**; ⅛ oz., **\$1.10**; ¼ oz., **\$1.85**.

Mixture. Of all colors. Tr. pkt., **40c**; ¼ oz., **\$1.25**; 1 oz., **\$4.25**.

Annual Poppy. See page 33.

PRIMULA

VERIS. 33,000 S. A very useful class for spring pot work. Plants lifted from outdoors in fall will make specimen pot plants from February on.

● **Colossea.** Extra large flowers (1½ to 2 in.) on long stiff stems. Remarkable range of unusual colors. Tr. pkt., **\$1.25**; ⅛ oz., **\$3.00**; ¼ oz., **\$5.25**; 1 oz., **\$17.00**.

● **Giant Munstead Strain.** The standard strain for bedding; in shades of yellow. Tr. pkt., **\$1.25**; ⅛ oz., **\$3.00**; ¼ oz., **\$5.25**; 1 oz., **\$17.00**.

● **Polyanthus Mixture.** (Unwin's strain.) 12 in. Tr. pkt., **\$1.00**; ⅛ oz., **\$2.25**; ¼ oz., **\$4.25**; 1 oz., **\$12.50**.

● **Giant Monarch Strain.** A fine large-flowered mixture. Tr. pkt., **\$1.25**; ⅛ oz., **\$3.00**; ¼ oz., **\$5.25**; 1 oz., **\$17.00**.

MISCELLANEOUS HARDY PRIMULAS

Giant Crimson

Giant Yellow

Giant White

Prices above 3, each: tr. pkt., **80c**; ⅛ oz., **\$1.85**; ⅛ oz., **\$3.25**.

Blue Flowered. Tr. pkt., **\$1.00**; ⅛ oz., **\$2.75**; ¼ oz., **\$5.25**.

PRIMULAS, Continued

Cashmeriana. Ball-shaped heads of rich purple flowers with yellow centers. Tr. pkt., **\$1.00**; ⅛ oz., **\$3.75**; ¼ oz., **\$12.50**.

Vulgaris (True yellow English Primrose). 19,000 S. 6 in. Tr. pkt., **60c**; ¼ oz., **\$1.75**; 1 oz., **\$6.50**.

Japanica. Crimson, rose and pink flowers borne in whorls on 6- to 9-in. stems. Tr. pkt., **40c**; ⅛ oz., **\$1.00**.

Annual Primulas. See page 33.

PYRETHRUM

ROSEUM (Painted Daisy). 18,000 S. The standard hardy cut flower class. The following varieties will make an excellent showing with a minimum of care.

Atrosanguineum. A popular dark crimson strain.

Rose. Single pink flowers.

Robinson's Dark Crimson. Giant flowered, dark red.

● **Robinson's Mixture.** Large single mixture.

● **Semi-Double Mixture.** An excellent strain. Large flowered and free blooming.

Prices above 5, each: tr. pkt., **60c**; ¼ oz., **\$1.50**; 1 oz., **\$4.75**.

● **Double Mixture.** The percentage of large flowers, with double row of petals, exceeds that of any other strain. Note, however, that 2 years' growth is required to produce the finest flowers in any double Pyrethrum. Tr. pkt., **60c**; ⅛ oz., **\$1.50**; ¼ oz., **\$2.75**; 1 oz., **\$8.25**.

Parthenifolium Aureum (Golden Feather). Dwarf, yellow-green foliage. Tr. pkt., **20c**; ¼ oz., **35c**; 1 oz., **\$1.00**.

RUDBECKIA

Purpurea (Echinacea). 7000 S. 4 ft. Reddish purple flowers. Tr. pkt., **35c**; ¼ oz., **\$1.00**; 1 oz., **\$3.50**.

SALVIA

Patens. 3800 S. 30 in. Navy blue hardy Salvia. Tr. pkt., **60c**; ¼ oz., **\$1.50**; 1 oz., **\$4.75**.

SAPONARIA

Ocymoides. 5500 S. 12 in. Trailing rock plant; rose-pink flowers. Tr. pkt., **30c**; ¼ oz., **75c**; 1 oz., **\$2.25**.

SCABIOSA

2400 S. Excellent large-flowered perennial cut-flower material. Seed germination sometimes slow.

CAUCASICA. 30 in. Flower heads up to 3 in. across.

● **Goldingensis.** Large flowered, fine deep lavender. Tr. pkt., **40c**; ¼ oz., **\$1.10**; 1 oz., **\$3.75**.

● **Perfecta.** Improved large flowered form of this lilac-lavender strain. Tr. pkt., **35c**; ¼ oz., **80c**; 1 oz., **\$2.60**.

● **House Hybrids.** Large flowers ranging from white to deep blue. Tr. pkt., **40c**; ¼ oz., **\$1.10**; 1 oz., **\$3.75**.

STATICE

Perennial Statice are very hardy, make good cut flower material and can be dried and dyed.

● **Caspia.** 175,000 S. 30 in. Seedlings flower second season. Lilac. Tr. pkt., **30c**; ¼ oz., **80c**; 1 oz., **\$2.75**.

● **Dumosa.** 19,000 S. 18 in. Dense clumps of silvery gray flowers. Tr. pkt., **40c**; ¼ oz., **\$1.00**; 1 oz., **\$3.00**.

● **Latifolia** (Sea Lavender). 40,000 S. 30 in. Standard blue perennial Statice. Tr. pkt., **30c**; ¼ oz., **65c**; 1 oz., **\$2.00**.

● **Perezi.** 14,000 S. Flowers in large lavender heads first year from seed. Tr. pkt., **30c**; ¼ oz., **75c**; 1 oz., **\$2.25**.

Annual Statice. See page 40.

Stock, Brompton or Winter. See page 42.



VIOLA

Violas bloom more freely than Pansies, and over a longer period.

STOKESIA

Cyanea (Stokes' Aster). 3300 S. 16 in. Large blue flowers. Tr. pkt., 35c; ¼ oz., \$1.00.

THALICTRUM

Dipterocarpum (Meadow Rue). 12,000 S. 3 to 4 ft. Rosy purple clusters of flowers in early June. Tr. pkt., 30c; ¼ oz., 75c; 1 oz., \$2.35.

THERMOPSIS

Caroliniana. 3 to 5 ft. Long panicles of yellow pea-shaped flowers. Tr. pkt., 30c; ¼ oz., 75c; 1 oz., \$2.35.

Trachelium. See page 44.

TRITOMA (Red Hot Poker)

22,000 S. Attractive long spikes from late summer until frost. 3 to 4 ft.

● **Pfitzer's Red**. Large brilliant red.

Mirabilis. Yellow and orange shades.

Prices above 2, each: tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$2.00.

TROLLIUS

8000 S. Allow seed to stand outdoors over winter for good germination. Plants require moist soil.

Ledebouri, Orange (Globe Flower). The standard variety. 2 ft. tall. Tr. pkt., 60c; ¼ oz., \$1.25; ½ oz., \$2.25.

Europaeus (Golden Ball). Late yellow. Tr. pkt., 40c; ½ oz., \$1.10; ¼ oz., \$2.00.

Hybrids Mixed (New). Beautiful variations in both form and shades. Tr. pkt., 40c; ½ oz., \$1.50; ¼ oz., \$2.70.

PERENNIALS—Continued

VERONICA

Spicata, Dwarf Mixed (Speedwell). Showy, easily grown plants; brightly colored. Tr. pkt., 35c; ¼ oz., 75c; 1 oz., \$2.25.

VIOLA

CORNUTA. 24,000 S. Miniature Pansies. Extra free-flowering and effectively used for bedding. Perfectly hardy.

Apricot. Prefer Chantreyland. Tr. pkt., 55c; ½ oz., \$1.15; ¼ oz., \$2.10; 1 oz., \$6.50.

Arkwright Ruby. Maroon with dark center. Bright color. Tr. pkt., 60c; ½ oz., \$1.60; ¼ oz., \$2.90; 1 oz., \$9.00.

● **Blue Perfection**. Large flowered clear medium blue. Tr. pkt., 60c; ½ oz., \$1.20; ¼ oz., \$2.25; 1 oz., \$6.50.

● **Chantreyland**. Extra large-flowered true apricot. Tr. pkt., 60c; ½ oz., \$1.15; ¼ oz., \$2.20; 1 oz., \$6.50.

Firmament. Free blooming, clear sky-blue. Tr. pkt., 60c; ¼ oz., \$1.15; ½ oz., \$2.20.

Jersey Gem. Deep violet-blue; large flowered and attractive. Tr. pkt., 60c; ¼ oz., \$1.15; ½ oz., \$2.25.

King Henry. Rich violet-blue with lavender center and small yellow eye. Tr. pkt., 60c; ½ oz., \$1.15; ¼ oz., \$2.20; 1 oz., \$6.50.

● **Lutea Splendens**. Clear golden yellow. Tr. pkt., 60c; ¼ oz., \$1.60; 1 oz., \$5.25.

Papilio. Blue and white combinations. Extra dwarf and free-flowering. Tr. pkt., 40c; ¼ oz., \$1.25; 1 oz., \$4.25.

Puck. Yellow and purple. Tr. pkt., 40c; ¼ oz., \$1.35; 1 oz., \$4.25.

● **White Perfection**. Small pure white. Tr. pkt., 40c; ¼ oz., \$1.35; 1 oz., \$4.25.

● **Large-Flowered Mixture**. Complete mixture of all large-flowered varieties. Tr. pkt., 40c; ¼ oz., \$1.35; 1 oz., \$4.25.

"JUMP-UPS"

These small, but free flowering Violas make excellent bedding and rock garden plants, blooming continuously from early spring to late fall.

Black Imp (Nigra). Small, velvety, coal-black flowers. Tr. pkt., 60c; ¼ oz., \$1.60; 1 oz., \$5.50.

● **Blue Elf**. (Improved Johnny Jump Up). 43,000 S. Three-colored blooms of deep violet, light blue and gold are freely produced on low-growing plants. Tr. pkt., 60c; ½ oz., \$1.35; ¼ oz., \$2.50.

● **Helen Mount**. A richly colored combination of violet, lavender and canary-yellow. Very free flowering with narrow bushy foliage. Tr. pkt., 60c; ½ oz., \$1.35; ¼ oz., \$2.50.

ODORATA. The popular fragrant "English Violet."

Semperflorens. Deep blue. Tr. pkt., 40c; ¼ oz., \$1.40.

YUCCA

Hardy Varieties Mixed. Striking plants of exotic appearance. Many varieties are included in this blend. Tr. pkt., 30c; ¼ oz., 75c; 1 oz., \$2.25.

Vegetable Seeds for Florists

Our vegetable seeds are of the same superior quality as our flower seeds. Don't miss out on the increased sale of vegetables this spring. Higher prices and the national situation will once again place a demand on vegetables for "back-yard" gardening. BE READY!

(●) For easy reference, we've marked the best vegetable varieties for greenhouse forcing with a dot. All are thoroughly tested.



Band-grown vegetables mean earlier crops. Use the banded plant cut as your guide to suitable varieties for growing in Plant Bands.

BEANS

	4 ozs.	1 lb.	5 lbs.	10 lbs.
Bountiful. 47 days. Green bush ..	\$0.15	\$0.40	\$1.75	\$3.50
Golden Wax. 51 days. Yellow bush ..	.15	.40	1.75	3.50
Kentucky Wonder. 65 days. Green pole ..	.15	.40	1.75	3.50
Stringless Green Pod. 53 days ....	.15	.40	1.75	3.50
Top-Crop. 48 days. New, green pencil-pod ..	.20	.50	2.25	4.50
Burpee's Bush Imp. Lima. 75 days ..	.20	.50	2.25	4.50

BEETS

(1 oz., for 60-foot row.) Sow when ground can be worked and make successive sowings until July. Space rows 18 inches. Broadcast seeds in Ball Bands for plant sale.

	1 oz.	4 ozs.	1 lb.
Crosby's Egyptian. (Original Strain.)...	\$0.15	\$0.50	\$1.50
Detroit Dark Red. (Improved Strain.)...	.15	.50	1.50
● Early Wonder Tall Top. Valuable for BEET GREENS as well as globular roots ..	.15	.50	1.50
● Extra Early Flat Egyptian. Earliest and best for forcing or home gardens ..	.15	.50	1.50

BROCCOLI



(About 10,000 seeds per oz.) Sow in March. Space plants 36x24".

	1 oz.	4 ozs.	1 lb.
Green Sprouting. Valuable all-season "cut and come again" strain for home garden or market ..	\$0.40	\$1.35	\$4.00
De Cicco. 60 days. Earliest to mature ....	.60	2.00	6.00

BRUSSELS SPROUTS



(About 7000 seeds per oz.) Sow in March. Space 36x18".

	1 oz.	4 ozs.	1 lb.
Long Island Imp. 90 days. Stem closely set with 1½ in. round cabbage-like heads. 20" tall, good keeper ..	\$0.45	\$1.50	\$4.50

CABBAGE

(Danish Grown)



(About 7000 seeds per oz.) Sow in Feb.-March for the first crop and in June for a fall crop. Space earlies 24x18", late 36x20". Days indicated are from the date the plants are set out. Handling cabbage plants in plant bands will prevent premature heading.

YELLOWS RESISTANT VARIETIES

In order of maturity.

	1 oz.	4 ozs.	1 lb.
Jersey Queen. 63 days. The resistant Jersey Wakefield. Heads are solid, conical	\$0.45	\$1.45	\$4.35
Golden Acre Resistant. 65 days. Resistant Golden Acre type. Medium small, round heads ..	.75	2.50	7.50

CABBAGE—Continued

	1 oz.	4 ozs.	1 lb.
Marion Market. Heads a little later and larger than Copenhagen Market ..	\$0.50	\$1.60	\$4.80
Racine Market. 65 days. Large round heads of blue-green color. Slow-bolting ..	.60	2.00	6.00
Wisconsin All-Season. Good winter keeper; large, flat, hard heads ..	.50	1.60	4.80
Bugner. 100 days. Round heads; average 10 lbs., 8 inches diameter. Excellent ..	.90	3.00	9.00
Wisconsin No. 8. Resistant Hollander ..	.60	2.00	6.00

STANDARD VARIETIES

In order of maturity.

Early Jersey Wakefield. Pointed heads. Plants small, allowing close planting ....	.40	1.20	3.60
Golden Acre. Extra early. Round heads, short stem, 64 days. Uniform, firm; matures evenly ..	.45	1.50	4.50
Copenhagen Market. A very choice strain. Medium-sized heads; compact ..	.45	1.50	4.50
Charleston. (Large Wakefield.) Heart shaped, average weight 4-5 lbs. ....	.40	1.20	3.60
Early Dwarf Flat Dutch. Heads nearly round, firm, fine flavor and high quality. ....	.40	1.20	3.60
All Head Early. Good winter keeper. Deep heads, flat, firm, valuable for kraut. 77 days ..	.40	1.20	3.60
All Season. Best in hot, dry weather ....	.40	1.20	3.60
Late Flat Dutch. Good keeper, firm heads ..	.40	1.30	3.90
Danish Ballhead. Penn State Strain (Short Stem.) Best late variety, heads large, flat, solid; keeps until late spring. 105 days ..	.50	1.50	4.50

SAVOY and RED CABBAGE

Chieftain. 85 days. Heads medium large; flat and firm. Crimped leaves ..	.50	1.50	4.50
Mammoth Rock Red. Best red variety...	.50	1.50	4.50

CARROT

(1 oz. for 300-ft. row.) Sow as early as the ground can be worked and make successive plantings until Aug. 1st. Space rows 12 to 18".

	1 oz.	4 ozs.	1 lb.
● Amsterdam Forcing. Roots reddish orange, 6 in., uniformly tapered. Best for forcing. About 2 weeks earlier than other varieties ..	\$0.35	\$1.20	\$3.60
Chantenay Red Cored. Tapering.....	.20	.60	1.80
Danvers Half Long. Tapering.....	.20	.60	1.80
Hutchinson. Latest and largest variety...	.20	.70	2.10
Morse's Bunching. (All-America Award)	.20	.60	1.80

The dot (●) indicates best vegetable varieties for greenhouse forcing.



CAULIFLOWER, EARLY SNOWBALL "A"
and **RADISH SPARKLER**
See page 64 for list of Radishes.

CAULIFLOWER



(About 7000 seeds per oz.) We offer only genuine **Danish grown seed**, recognized as the world's finest. Sow in February or March for plant sale. To insure unchecked growth and sure heading, plants should be handled in plant bands or pots. Space 18x24 in. Days indicated are from date plants are set out.

Danish Giant Dry Weather. Select. 70 days.

Early Dwarf Erfurt. Select. 60 days.

● **Early Snowball "A."** 55 days. Standard early. Fine for greenhouse forcing, frame or outdoor culture. See cut above.

Snowball "X." 65 days. Well adapted for use under a wide range of conditions. Heads large, firm and pure white.

Snowdrift. 65 days. Larger than Snowball; firm and well protected by inner leaves. Good for distant shipping.

Prices of above 5, each: tr. pkt., **40c**; 1/4 oz., **80c**; 1 oz., **\$2.40**; 4 ozs., **\$8.00**; 1 lb., **\$24.00**.

CELERIAC



Large Smooth Prague. Turnip-rooted Celery. Excellent winter keeper. 1/4 oz., **25c** **\$0.75 \$2.35 \$7.00**

CHINESE CABBAGE

Michihli. 70 days. 20 in. tall. Surer heading and more uniform than the old Chihli. Crisp, tender and well balanced. A great improvement. **.75 2.50 7.50**

Vegetable Seeds for Florists (Continued)

CELERY



(About 8000 plants per oz.) Sow in Feb. or March for plant sales. Cover seeds lightly. Space 6x28". Days indicated are from date of planting.

1 oz. 4 ozs. 1 lb.

Golden Plume. Non-bolting. Select. 85 days. Desirable for home and market garden. 1/2 oz., **50c** **\$0.90 \$3.00 \$9.00**

Golden Yellow Self-Blanching. Dwarf. Standard market sort. 1/2 oz., **50c** **.90 3.00 9.00**

Summer Pascal. 110 days. Uniform, thick, rounded stalks. Better than Giant Pascal. 1/2 oz., **40c** **.70 2.35 7.00**

Utah or Salt Lake No. 99. 125 days. Midseason, full hearted and compact. 1/2 oz., **40c** **.70 2.35 7.00**

CHIVES



(Grass-Onion.) A perennial, quickly started from seed. Popular for flavoring and borders. 1/4 oz., **30c**...

.90 3.00 9.00

CORN

	4 ozs.	1 lb.	5 lbs.	10 lbs.
Golden Bantam. 79 days	\$0.15	\$0.35	\$1.60	\$3.15
Golden Cross (Hybrid). 85 days	.20	.50	2.25	4.50
Stowell's Evergreen. 95 days. White	.15	.35	1.60	3.15

CRESS

1 oz. 4 ozs. 1 lb.

Curled or Pepper Grass. Greenhouse catch crop. Ready in 40-60 days. Temp. 40-50° **\$0.25 \$0.80 \$2.40**

Water Cress. 75 days. Perennial water plant. Small, thick, pungent leaves. 1/4 oz., **50c** **1.50**

CUCUMBER

(About 1000 seeds per oz.). 1 oz. for 80 hills or 200-ft. row. Distance between rows 3 to 6 ft.

Ball Early Hybrid. New, heavy yielder. F₁ Hybrid. Size similar to "Straight 8", color dark green. It is a white spined, slicing type, earlier than Burpee Hybrid and has some resistance to downy mildew and mosaic. Tr. pkt., **50c**; 1/4 oz., **\$1.40**; 1 oz., **\$4.20**; 4 ozs., **\$12.50**.

1 oz. 4 ozs. 1 lb.

A. & C. 68 days. 8 to 9 in. Deep green. Does well on light soil **\$0.25 \$0.85 \$2.50**

Cubit. 60 days. Good slicer. Stays fresh for shipping or on market. 9 in. **.35 1.20 3.50**

Chicago Pickling. 6 in. 60 days. **.25 .85 2.50**

Imp. Long Green. Ideal slicer. 12 in. **.30 1.00 3.00**

● **Longfellow.** 72 days. One of the main forcing varieties. 12 to 14 in. long **.35 1.20 3.50**

National Pickling. 50 days. Considered best for small pickles **.25 .85 2.50**

● **Seedless Supreme.** Best of the European forcing types. Form 12-14 in. fruits without pollination and is seedless unless pollinated. Dark green, disease resistant, very prolific. For forcing only in high humidity at 75-85° temperature. Further cultural notes in U.S.D.A. Bulletin No. 1320 on request. 100 seeds, **\$1.00**; 1000 seeds **\$9.00**.

Vegetable Seeds for Florists (Continued)

CUCUMBERS, Continued

	1 oz.	4 ozs.	1 lb.
Small Gherkin. 2 in. long; very prolific ..	\$0.30	\$1.00	\$3.00
Straight 8. Deep green; ideal shipper ....	.30	1.00	3.00
Yorkstate. Mosaic resistant pickle. National Pickling type. ....	.30	1.00	3.00

EGGPLANT



(About 6000 seeds per oz.). Sow in February or March for plant sales. Space plants 18x24 in.

	1 oz.	4 ozs.	1 lb.
Black Beauty. Popular market variety. Dark purple. Broad, egg-shaped	\$0.60	\$2.00	\$6.00
Fort Myers Market. Oval fruits carried well above ground. Quite resistant to disease and excessive heat. 1/2 oz., 45c ..	.80	2.70	8.00
New Hampshire Early. Medium sized, oval fruits bred for northern climate. Prolific ..	.85	2.85	8.50

ENDIVE

(1 oz. for 100-ft. row.) Sow in April or June-July for fall crop which may be kept for several months if taken up with soil before killing frost, packed closely and stored in basement.

	1 oz.	4 ozs.	1 lb.
Full Heart Batavian (Escarolle)	\$0.20	\$0.60	\$2.00
Deep Heart Fringed. Upright growth....	.20	.60	2.00

HERBS



Collection boxes of banded and assorted plants have proved a very popular spring seller. Of medicinal and high flavoring value as well as decorative appearance. Each packet will make at least 250 plants. Leaflet describing each variety with collection offer.

Anise—Basil—Borage—Coriander—Dill—Sweet Fennel
—Sweet Marjoram—Sage—Savory—Thyme.

Prices above 10, each: Tr. pkt., 15c.

Collection one each of above 10 varieties, \$1.00.

KALE

(About 7000 seeds per oz.)

	1 oz.	4 ozs.	1 lb.
Dwarf Green Curled. Very hardy.....	\$0.25	\$0.75	\$2.40

KOHLRABI

(About 7000 seeds per oz.)

● Early White Vienna. Standard sort for forcing and home garden. Globe-shaped ..	.30	1.00	3.00
Early Purple Vienna.....	.30	1.00	3.00

LEEK



(About 9000 seeds per oz.) More delicately flavored than the mildest Onion. Has a decided sweet flavor. Cooked and served like Asparagus. Grow for plant sale like Onions. Stores well; extremely hardy.

	1 oz.	4 ozs.	1 lb.
Elephant. 150 days. 8-in. stems. Best strain of this fine "Asparagus Onion" ..	\$0.45	\$1.50	\$4.50

LETTUCE



(15,000 seeds per oz. 1/4 oz. for 100-ft. row.) There is a premium on Lettuce PLANTS. They are readily transplanted in plant bands and heading varieties will make large solid heads, if set out early, even before late frost is over. Sow March 15 or 4 weeks before setting out plants. Space 14x18 in.

FORCING VARIETIES

Approximate growing time 60-90 days. Temperature 50°. Transplant. Sow any time.

	1 oz.	4 ozs.	1 lb.
● Grand Rapids Forcing. Mildew-resistant. The standard LOOSE LEAVED variety for greenhouse forcing. Tender and sweet. Best early	\$0.25	\$0.80	\$2.40
● Bibb Forcing. Butterhead type of finest flavor and well adapted to greenhouse culture. Demands even temperature, more so than Grand Rapids .....	.30	1.00	3.00

STANDARD VARIETIES

Big Boston. HEADING; used for spring and fall hotbed and cold frame culture ..	.20	.70	2.10
Black-Seeded Simpson. LOOSE-LEAVED ..	.20	.70	2.00
Great Lakes. New outstanding HEAD lettuce; slow to bolt. "All-America" winner ..	.50	1.70	5.10
Imperial No. 44. Sure HEADING Iceberg type. Recommended for plant sales ..	.35	1.15	3.40
New York No. 12. Early sure HEADING Iceberg type. Does well in midsummer ..	.35	1.15	3.40
May King. Earliest of the Butterheads. Valuable for forcing outdoors or frames ..	.20	.70	2.00
Oak Leaf. Rather indefinite HEADS; medium sized. Leaves deeply lobed .....	.35	1.15	3.40
Cos or Romaine. "White Paris." Self-folding, oblong heads for forcing and outdoor culture .....	.25	.85	2.50
Salad Bowl (New). LOOSE-LEAVED. All-America Gold Medal winner, 1952. Early (45 days), stands summer heat exceptionally well; slower to bolt than most other varieties. An improvement over Oak Leaf .....	.75	2.50	7.50

MELON

MUSKMELON

(1000 seeds per oz.) 1 oz. 4 ozs. 1 lb.



Golden Delight. A.A.S. Large, early. Hard shell, small seed cavity ..	\$0.45	\$1.50	\$4.50
Honey Dew. MILDEW-RESISTANT .....	.30	.90	2.70
Honey Rock. 85 days. Flesh orange, sweet and of finest flavor. Good shipper .....	.30	.90	2.70
Iroquois. 86 days. Resistant Bender type. Orange flesh .....	.30	.90	2.70
Pride of Wisconsin. 90 days. Thick, orange-fleshed, popular .....	.30	.90	2.70
Resistant No. 45 or Hale's Best. 90 days. Flesh thick salmon. Resistant to mildew ..	.30	.90	2.70

WATERMELON

Harris Earliest. 80 days. Fruits oval.....	.20	.70	2.10
New Hampshire Midget (New) Early ..	.30	1.00	3.00

MUSHROOM SPAWN

Lambert's Mushroom Spawn. 1 brick, 50c; 5 bricks, \$2.00; 10 bricks, \$3.50. Bricks weigh approximately 1 lb. and will plant 16 sq. ft.

The dot (●) indicates best vegetable varieties for greenhouse forcing.

Vegetable Seeds for Florists (Continued)

ONION

(About 9000 seeds per oz.)



	1 oz.	4 ozs.	1 lb.
Ebenezer. Early flat straw-colored, mild-flavored; used for sets ..	\$0.35	\$1.20	\$3.60
Prizetaker (Valencia). Yellow, good keeper, flesh mild. ½ oz., 40c ..	.70	2.30	6.90
Southport Red Globe. 110 days. Splendid keeper. Best red variety. ½ oz., 30c ..	.50	1.60	4.80
Utah—Yellow Sweet Spanish. Globe-shaped, keeping extra well for soft type. Midseason. ½ oz., 40c ..	.70	2.30	6.90
Yellow Globe Danvers. Firm and hard; excellent keeper. ½ oz. 25c ..	.40	1.30	3.90
Yellow Bermuda (White Bermuda). Standard early. Flat, straw colored. ½ oz., 40c ..	.70	2.30	6.90

PARSLEY



(¼ oz. per 100-ft. row.) Roots are transplanted from outside to 4-in. pots or ground bed in cool house, or sow directly, 8x8 in.

	1 oz.	4 ozs.	1 lb.
● Extra Triple Curled. 75 days. Closely curled, very compact and productive ..	\$0.15	\$0.50	\$1.50
● Paramount. 90 days. The most dwarf and curled Parsley. Uniform dark green ..	.15	.50	1.50

PARSNIP

(1½ ozs. per 100-ft. row). Sow early, space rows 18 in. Roots hardy.

	1 oz.	4 ozs.	1 lb.
Short, Thick. 100 days. Finest and earliest strain. Pulls easily, sweet delicate flavor ..	\$0.15	\$0.50	\$1.50
Smooth White. 130 days. Evenly tapered—whiter than "Hollow Crown" ..	.15	.50	1.50

PEAS

	4 ozs.	1 lb.	5 lbs.	10 lbs.
Alderman. 74 days. Tall ..	\$0.15	\$0.30	\$1.35	\$2.70
Thos. Laxton. 62 days. Medium ..	.15	.30	1.35	2.70
Little Marvel. 64 days. Dwarf ..	.15	.30	1.35	2.70

PEPPER



(About 3000 seeds per oz.). Sow 6 weeks before outdoor planting. Germinate seeds warm. Space plants 16x24 in. Days indicated are from date plants are set out.

	1 oz.	4 ozs.	1 lb.
Avalon. Sweet button-shaped fruits about 2 in. across; red flesh. ½ oz., 85c; ..	\$1.50		
California Wonder Select. (Sweet.) 72 days. Standard of excellence in Sweet Peppers. Extra thick walls. ½ oz., 40c; ..	.75	2.70	7.50
Chinese Giant (Sweet). 80 days. The largest Sweet Pepper. ½ oz., 35c ..	.60	2.00	6.00
Golden Wonder. Golden fleshed California Wonder type. ½ oz., 60c; ..	1.00	3.35	10.00
Harris' Early Giant (Sweet). 63 days. Well suited to northern states. ½ oz., 35c ..	.65	2.20	6.50
Hungarian Yellow Wax (Hot). Tapering, 6½ in. long. Very early. Plants small, productive. ½ oz., 40c ..	.75	2.50	7.50
Large Bell (Hot). 65 days. Ribs pungent, otherwise mild. ½ oz., 40c ..	.70	2.40	7.00
Large Cherry (Hot). ½ oz., 40c ..	.70	2.40	
Long Red Cayenne (Hot). 70 days. For pickles, canning or drying. ½ oz., 35c ..	.60	2.00	6.00
Merrimack Wonder (New). Mild, thick flesh. Recommended where growing season is short. ½ oz., 50c ..	.95	3.35	9.50
Oakview Wonder (Sweet). 65 days. (Early California Wonder.) ½ oz., 40c ..	.75	2.50	7.50

PEPPER, Continued

	1 oz.	4 ozs.	1 lb.
Pimento (Perfection). Sweet. 72 days. Fruits smooth, conical. ½ oz., 45c ..	\$0.75	\$2.50	\$7.50
Red Chili. Numerous 2-2½ in. long fruits. Borne upright. Very pungent. ½ oz., 35c ..	.65	2.20	6.50
Romanian. Sweet yellow. ½ oz., 60c ..	1.00	3.35	
Ruby King (Sweet). 68 days. Very productive. ½ oz. 35c ..	.65	2.20	6.50
Sunnybrook. Sweet, tomato-shaped fruits. Turns scarlet-red earlier than most other peppers. 70 days. ½ oz., 35c ..	.60	2.00	6.00
Sweet Banana. Early. Tapering, 6½ in. long. ..	.75	2.50	7.50
Sweet Bull Nose (Sweet Mountain). Mild-fleshed. 65 days. ½ oz., 35c ..	.65	2.20	6.50
World Beater (Sweet). 70 days. Large, oblong, green, thick flesh. ½ oz., 35c ..	.60	2.00	6.00
Vinedale (New). All-America winner, 1952. Sweet. Improves thickness, size, and smoothness of Harris' Early Giant. Best for northern climates. ½ oz., 50c ..	.95	3.35	9.50

PUMPKIN

Small Sugar Pie. Early orange ..	.15	.50	1.50
Large Yellow or Connecticut Field ..	.15	.50	1.50

RADISH

(1 oz. for 100-ft. row.)

● Cavalier. Short topped, deep scarlet. Choice for forcing. 10 lbs., \$12.60 ..	.15	.45	1.40
● Early Scarlet Globe (Short Top). Our strain of this very early forcing variety is a superior one. 23 days. An ideal florists' "catch crop." 10 lbs., \$12.60 ..	.15	.45	1.40
● Iceberg. (Short Top.) 27 days. Best white for outdoors and forcing. 10 lbs., \$10.80 ..	.15	.40	1.20
Sparkler. 25 days. Scarlet with white tip. Photo on page 62 ..	.15	.40	1.20

RUTABAGA

American Purple Top ..	.15	.30	.80
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SPINACH

(1 oz. for 100-ft. row.)

Giant Thick-Leaved (Nobel). 45 days ..	.15	.30	.80
Savoy-Leaved or Bloomsdale. 40 days ..	.15	.30	.80
● New Zealand (Tetragonia). Picked thruout the summer. Suitable for greenhouse forcing in 50-60° temperature ..	.15	.40	1.20

SQUASH

(About 380 seeds per oz.)

Acorn (Improved Royal). 60 days. Winter squash ..	.20	.65	1.90
Buttercup. 100 days. Winter squash ..	.20	.75	2.20
Butternut. 100 days. Winter squash ..	.40	1.25	3.75
Early Prolific Straightneck. 50 days. Summer squash. Edible when 4 to 14 in. ..	.15	.50	1.50
Hubbard. True. Green winter squash ..	.20	.65	2.00
Uconn (All-America Gold Medal, 1950). A new, bush type Acorn Squash requiring little space; very prolific. Young fruits may be used in summer; mature fruits as a winter squash ..	.30	1.00	3.00

SWISS CHARD

(1 oz. for 100-ft. row.)

● Lucullus. Deep green crumpled leaves. For forcing sow directly or transplant field-grown roots. Cool house temperature. Pick leaves ..	.15	.50	1.50
Rhubarb Chard ..	.25	.75	2.50

An F₁ Hybrid Tomato!

Gro. Z. Ball
INC.
WEST CHICAGO
ILLINOIS

- **Ball Extra Early.** An **F₁ Hybrid** earlier than Earliana. Large fruits, extremely smooth. Bred for highest quality fruit, yield and earliness. Tr. pkt., \$1.00; 1/16 oz., \$2.25; 1/8 oz., \$7.50; 1 oz., \$25.00.

SEE NEXT PAGE
FOR COMPLETE LIST



Vegetable Seeds for Florists (Continued)

TOMATO



(About 7000 seeds per oz.) We offer only the highest quality Tomato seed from specialist growers. Sow seed 6 to 8 weeks before time to plant out. Days indicated are from date plants are set out.

SPECIAL FORCING VARIETIES

● **Ball Extra Early, F₁ Hybrid.** (See preceding page). Highest quality fruit, yield and earliness. Tr. pkt., \$1.00; 1/16 oz., \$2.25; 1/4 oz., \$7.50; 1 oz., \$25.00.

● **Waltham Forcing.** The ideal forcing Tomato. Even sized, 4-oz. scarlet fruits, firm, good shippers, do not crack. Plants take little room; may be grown in old buckets. Flowers self-pollinating. Early and heavy yielder. This variety also fine for outdoor trellis. Tr. pkt., 50c; 1/4 oz., \$1.00; 1 oz., \$3.00.

● **Michigan State Forcing.** Wilt resistant. Distinct greenhouse Tomato developed at Michigan State College. Rich, deep scarlet fruits, average 5-6 ozs., globular, in large clusters. Highly self-pollinating but responds well to daily tapping of flower clusters. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.50.

Globe "A." Pink fruits, a little larger than regular Globe. Developed by Ohio State Experiment Station. Ships well. Tr. pkt., 50c; 1/4 oz., \$1.00; 1 oz., \$3.00.

Marhio or Marvelous. Pink fruit, wilt resistant and almost free from cracks. Vigorous grower requiring high temperature and particularly fine for fall forcing. Extra select stock. Tr. pkt., 50c; 1/4 oz., \$1.00; 1 oz., \$3.00.

STANDARD VARIETIES

● **Ball Extra Early, F₁ Hybrid.** (See preceding page). Highest quality fruit, yield and earliness. Tr. pkt., \$1.00; 1/16 oz., \$2.25; 1/4 oz., \$7.50; 1 oz., \$25.00.

● **Bonny Best.** Unexcelled for all purposes. Smooth and firm. 73 days

	1 oz.	4 ozs.	1 lb.
.....	\$0.60	\$2.00	\$5.90

Break O' Day. Early WILT-RESISTANT, globe shaped. Heavy producer, flesh firm

.....	.60	2.00	6.00
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Chalk's Early Jewel. 75 days. Heavy producer, scarlet-red, smooth and firm

.....	.50	1.70	5.00
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Crimson Cushion or Beefsteak. Large, flat, bright scarlet; solid, very prolific

.....	.80	2.70	8.00
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Dwarf Champion. Treelike. Requires no support; medium size, solid pink fruit

.....	.70	2.35	7.00
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Dwarf Stone. 81 days. Strictly dwarf, tree-like, fruits bright red, smooth and solid

.....	.60	2.00	6.00
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Earliana. Medium size, deep scarlet, firm and smooth. 64 days. Fine early variety

.....	.70	2.35	7.00
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Early Detroit. Valuable for shipping. Pink, medium large, smooth fruit. 78 days

.....	.60	2.00	6.00
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Firesteel. 70 days. Deep red, sure setting. Best under drought conditions

.....	.70	2.35	7.00
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Garden State. 84 days. Smooth scarlet-red; larger than Rutgers. 1/2 oz., 50c

.....	.90	3.00	9.00
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Giant Tree or Potato Leaved. 90 days. Extra large pink fruits often weighing 1 lb. or more. Tr. pkt., 50c; 1/4 oz., \$1.20

.....	3.60	12.00	36.00
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Globe. (Livingston's.) Heavy producer. Large purplish pink fruit; smooth and solid

.....	.60	2.00	6.00
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Golden Queen. 83 days. Large yellow fruit; firm and smooth, mild flavor

.....	.70	2.35	7.00
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TOMATOES, Continued

1 oz. 4 ozs. 1 lb.

Greater Baltimore. Midseason. Earlier than Stone, heavy producer, deep scarlet

.....	\$0.50	\$1.70	\$5.00
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Grothen's Globe. 68 days. Medium large, globular, bright red fruit

.....	.70	2.35	7.00
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Gulf State Market. Very fine second early, crimson, medium size, very solid

.....	.60	2.00	6.00
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Italian Canner. Red plum shaped. Valuable for canning whole, paste, and dehydration. 1/2 oz., 50c

.....	.90	3.00	9.00
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John Baer, Certified. Standard all-purpose variety, second early, medium size, red

.....	.60	2.00	6.20
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June Pink. Earliest pink, early shipper

.....	.65	2.20	6.50
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Jubilee. Orange; non-acid. All-America bronze medal winner. 1/2 oz., 50c

.....	.90	3.00	9.00
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● **Master Marglobe, Certified.** Valuable for shipping and HIGHLY RESISTANT. 75 days. Extra select stock. 1/2 oz., 45c

.....	.80	2.70	8.00
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Marglobe. Regular stock

.....	.60	2.00	6.00
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Oxheart. 90 days. Extra large, heart-shaped, few seeds, mild flavor. 1/2 oz., 60c

.....	1.10	3.70	11.00
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Pan American. 75 days. U.S.D.A. introduction. Extremely wilt resistant. Scarlet

.....	.65	2.20	6.50
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Penn State Earliana. Extra early, red, large, smooth, mild and solid

.....	.75	2.50	7.50
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Ponderosa. Extremely large; purplish pink, few seeds, mild flavor. 85 days

.....	.85	2.85	8.50
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Pritchard (Scarlet Topper). Fine all-around variety, heavy yielder; second early; WILT-RESISTANT

.....	.65	2.20	6.50
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Rutgers, Certified. Red, smooth, thick walls—firm and mild. Does well even at a low fertility level. Favorite in sandy soil

.....	.65	2.20	6.50
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Sioux. 70 days. Red fruit

.....	.90	3.00	9.00
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Stokesdale, Certified. 75 days. Red, globular; fine canning variety

.....	.65	2.20	6.50
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Stone. 85 days. Valuable for market and canning; heavy producer; deep scarlet

.....	.65	2.20	6.50
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Valiant. 70 days. Globe shaped large, smooth red fruits

.....	.90	3.00	9.00
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Victor. 65 days. Extra early. Scarlet. Determinate vine, takes little room. 1/2 oz., 50c

.....	.65	2.20	6.50
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Wisconsin No. 55. Red, early, and fine shipper. Large fruits with no shoulder cracks

.....	.75	2.50	7.50
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Red Cherry	} Small fruited, for pickles, salads or preserves	.75	2.50
Yellow Plum			
Yellow Pear			
Yellow Husk or Ground Cherry			

Tiny Tim. A novel miniature Tomato that can be raised as a colorful, small pot plant in the home. Ideal appeal to the housewife as she can add a touch of color to her winter-time menus and have a plant at the same time. 1 oz., \$1.50; 4 ozs., \$4.50.

TURNIP

1 oz. 4 ozs. 1 lb.

Purple-Top, White Globe \$0.15 \$0.30 \$0.80

Ball-Grown Small Plants



Your Ball-grown small plants look just as good when you receive them as these Begonias looked when we took this picture—the day we shipped them out.

All the 2¼-in. stock listed below is grown in Ball Better Bands and shipped in our "Ball-Pak." F.O.B. Shipping Point.

BEGONIAS

(Fibrous-Rooted)

2¼-in. Available September to June

Adeline. Free flowering bright pink; dwarf.
Ball Deep Rose. Deep rosy red during winter and spring, changing to luminous pink during warm weather. Dwarf.
Luminosa Compacta. Dwarf. Popular scarlet-red.
Ball Red. Dwarf. Medium flowers of bright scarlet.
Indian Maid. Intermediate. Bronze-leaved scarlet.
Carmen. Intermediate. Bright rose-pink flowers, bronze leaves.
Snowbank. Dwarf. Large, glistening white flowers.
Assorted.

Price: \$12.00 per 100; \$100.00 per 1000.
250 at 1000 rate.

Minimum order 100; 25 of a variety.

SNAPS

2¼-in. Available Until March

PINK and ROSE

Rosanno (Ball Hyb. No. 9). Deep rose.
Dorcas Jane. HYBRID. Silvery rose-pink.
Christina. HYBRID. Medium light pink.
Peggy Schumann. Rose-pink.
Rosy Dawn (New Ball Hyb. No. 41). Fairly deep rose.
Pink Ice (New Ball Hyb. No. 31). Bright medium rose with nearly white lips.
Hercules (New Ball Hyb. No. 21). Medium pink.

RED and LAVENDER

Navajo (Ball Hyb. No. 8). Our best red.
Lavender Lady (New Ball Hyb. No. 71). Deep rosy lavender.

WHITE

Snowman (Ball Hyb. No. 5). Pure white.
Margaret. Clean ivory-white; very productive.

YELLOW

Golden Spike (Ball Hyb. No. 1). Golden yellow.
Patricia. HYBRID. Medium yellow.

BRONZE

Barbara. HYBRID. Large flowered bronze with pink throat.

PRICES above Snapdragon plants:

\$8.00 per 100; \$65.00 per 1000. 250 at 1000 rate.

Minimum order 100; 25 of a variety.

ASTERS

Lighted 2¼-In. Plants for June Flowering
March 1 to May 15 Delivery

Pink Ball (New Ball Shell-Pink). Soft shell-pink.
White Ball (New Ball white). A fine resistant white.
Rose Ball (New). Long stemmed, bright deep rose. Fully double.
Ball Deep Purple. Rich bright purple; excellent stem.
Azure Ball (New). Fully double azure-blue.
Assorted.

\$9.00 per 100; \$80.00 per 1000. Minimum order 100;
25 of a variety.

DELPHINIUM

Giant Pacific Hybrids

2¼-in. Late March-Early June Delivery

Galahad. White. **Summer Skies.** Light blue.
Guinevere. Lavender. **Blue Bird.** Mid-blue.

King Arthur. Deep violet-blue.

\$12.00 per 100; \$100.00 per 1000; Minimum order 100 plants.

Astolat. Pale blush-pink shades with dark bees.

\$15.00 per 100; \$125.00 per 1000.

Minimum order 100 plants.

ALL-DOUBLE PETUNIAS

2¼-In.

Now through April

Allegro. Medium to large, fully double flowers of clear, bright salmon are carried on fairly dwarf plants. A new and attractive color in the All-Doubles, and the finest in its color class.

Sonata. Extra large, fully double, pure white flowers.

Nocturne. Semi-double, deep Elk's Pride purple. The medium large flowers are borne on vigorous, but compact plants.

Rose of Canada. Fully double, bright medium rose flowers about 3 inches across are freely produced on compact, bushy plants.

Ball All-Double Mixture. A well-balanced mixture.

Assorted.

\$12.00 per 100, \$100.00 per 1000. Minimum order 100 plants.

WRITE US FOR VARIETY LIST AND PRICES
FOR GROWING ON AZALEAS.

Ball's Outstanding Quality Roses

PATENTED VARIETIES

HYBRID TEAS

Variety and Description	Plant Pat. No.	Retail Price
American Flagship. Very dark red	676	\$1.75
Applause. Large, rich red, fragrant blooms	829	2.00
Babe Ruth. Salmon-pink	996	2.00
Bravo. Large cardinal-red bloom	983	2.25
California. Bicolor	449	1.50
California Centennial. Medium red	953	2.00
Capistrano. Cherry-red buds; rose-pink blooms	922	2.25
Charlotte Armstrong. Red buds; cerise blooms	455	2.00
Crimson Glory. Deep velvety crimson blooms	105	1.75
Debonair. Yellow	677	1.75
Douglas MacArthur. Buds long and pointed, delft rose blooms	581	1.75
Eclipse. Clear yellow, rich green foliage	172	2.00
Fandango. Rich deep scarlet, glossy foliage	894	2.00
Fred Howard. Rich yellow tipped with soft pink	1006	2.75
Forty-niner. Bicolored petals, inside Oriental red; outside yellow	792	2.00
Golden Sceptor. Large golden yellow	910	2.50
Grand Duchess Charlotte. Rich claret color	774	1.75
Helen Traubel. Sparkling pink to luminous apricot, large buds	1028	2.75
Horace McFarland. Deep red, dark green foliage	730	1.75
K. T. Marshall. Deep rose-pink, flushed yellow	607	1.75
McGredy's Sunset. Orange-yellow overlaid with warm salmon-flame	317	1.75
Mirandy. Large, garnet-red blooms	632	1.75
Mission Bells. Large, fragrant, salmon-pink	923	2.25
New Yorker. A truly red rose; long lasting	823	2.00
Nocturne. Large, fragrant, cardinal-red blooms	713	1.75
Olive Percival. Oriental red; yellow center	944	2.00
Peace. Large blooms. Varying shades of yellow, gold and ivory edged with pink	591	2.50
Rex Anderson. Ivory-white; double flowers	335	1.75
Rubaiyat. Large, double rose-red blooms	758	1.75
Santa Anita. Pink	539	1.50
San Fernando. Red	785	1.75
Show Girl. Rich, deep pink; long buds	646	1.75
Sutter's Gold. Long yellow buds shaded orange and red	885	2.25
Taffeta. Carmine-rose buds; blooms muticolored rose and pink	716	1.75
Tallyho. Bloom petals rose-pink inside, deep rose outside	828	2.00
Texas Centennial. Brick-red blooms with gold shading to rich pink	162	1.75
Tom Breneman. Carmine	986	2.00
White Briarcliff. One of the daintiest and most delightful of all white Roses	108	1.75

CLIMBERS

Aloha. Coral-pink, large double blooms	948	2.50
Cl. Crimson Glory. Velvety crimson bloom	736	2.00
Cl. Floradora. Scarlet-red	PAF	2.00
Cl. Peace. Large blooms with shades of yellow, gold and ivory edged with pink	932	2.50
Cl. Pinkie. Small pink buds opening fully to clusters of large blooms	1076	2.75
Cl. Summer Snow. Clusters of white, double blooms	400	2.00
Cl. Texas Centennial. Brick-red blooms with gold shading to rich pink	565	1.75
Dr. J. H. Nicolas. Pillar-type, rose-pink blooms	457	2.00
High Noon. Pillar Rose, bright yellow	704	2.00
King Midas. Lovely clear yellow	586	2.00

FLORIBUNDAS

Variety and Description	Plant Pat. No.	Retail Price
Betty Prior. Red buds opening to shell-pink	340	\$1.50
Chatter. Semi-double carmine-red	739	1.50
Connie Mack. Beautiful crimson	1062	2.00
Crown of Jewels. Oriental red	149	1.50
Donald Prior. Semi-double blooms of bright scarlet flushed crimson	377	1.50
Fashion. Luminous coral-pink overlaid with gold	789	2.00
Geranium Red. Buds are dark oxblood-red, open to bright Geranium-red	811	1.50
Goldilocks. Clusters of fragrant golden yellow	672	1.50
Lavender Pinocchio. A true lavender enriched by a mass of golden yellow stamens	947	2.00
Permanent Wave. Outside petals are rose-pink with inside a shade lighter	107	1.50
Pink Bountiful. Soft pink flowers	601	1.50
Pinocchio. Small, semi-double, salmon-pink	484	1.50
Pinkie. Slender pink buds; double blooms	712	1.75
Red Pinocchio. Velvety red, semi-double blooms	812	1.50
Vogue. Glowing cherry-coral blooms; fragrant	926	2.25
World's Fair. Large, semi-double, deep crimson	362	1.50
Yellow Pinocchio. Apricot-yellow; semi-double	992	1.50

WHOLESALE PRICE LIST — PATENTED VARIETIES

Retail Price (per variety)	Wholesale price (per variety)		
	10 Plants Each	20-90 Plants Each	100-250 Plants Each
\$3.00	\$1.80	\$1.50	\$1.40
2.75	1.50	1.37 1/2	1.30
2.50	1.40	1.25	1.20
2.25	1.25	1.12 1/2	1.05
2.00	1.10	1.00	.95
1.75	1.00	.87 1/2	.80
1.50	.90	.75	.70

Prices are "per variety" on all patented varieties, regardless of total number of bushes on your order. Sold in units of 10 of one variety, only.

STANDARD VARIETIES

CLIMBERS

Blaze. Brilliant red climbing Rose.

FLORIBUNDAS

RED	PINK
Baby Chateau	Elsie Poulsen
Floradora	Improved Lafayette
Kirsten Poulsen	Pink Gruss an Aachen
Red Lafayette	Rose Elfe
Red Ripples	WHITE
Triomphe Orleansais	Gruss an Aachen

PRICES OF STANDARD VARIETIES

No. 1	Each	No. 1 1/2	Each
10 to 50	\$0.60	10 to 50	\$0.50
50 to 100	.58	50 to 100	.48
100 or more	.55	100 or more	.45

Standard varieties may be grouped in order to take advantage of the quantity rate. Sold in units of 10 of one variety, only.



RED PINOCCHIO



PEACE



FASHION



VOGUE



BLAZE



ECLIPSE



CRIMSON
GLORY

Japanese Grown Lily Bulbs

F.O.B. Shipping Point
CASE LOTS ONLY

ALBUM (Speciosum)

White Rubrum

December to June Delivery

	Per 100	Per Case
7- 9 in., 250 bulbs per case	\$35.00	\$80.00
8- 9 in., 200 bulbs per case	40.00	75.00
9-10 in., 140 bulbs per case	60.00	75.00

RUBRUM (Speciosum)

Carmine-Pink

December to June Delivery

	Per 100	Per Case
7- 9 in., 250 bulbs per case	\$20.00	\$40.00
8- 9 in., 200 bulbs per case	22.50	38.00
9-10 in., 140 bulbs per case	30.00	36.00
9-11 in., 125 bulbs per case	32.00	36.00
10-11 in., 100 bulbs per case	35.00	35.00

PLATYPHYLLUM

Less spotted than Gold Band

December to March Delivery
We prefer to Auratum

	Per 100	Per Case
7- 9 in., 250 bulbs per case	\$21.00	\$42.00
8- 9 in., 200 bulbs per case	25.00	42.00
9-10 in., 140 bulbs per case	35.00	40.00

Auratum (Gold Band)

RUBRUM
(Speciosum)



AURATUM (Gold Band)

White, spotted crimson, gold stripes
December to March Delivery

	Per 100	Per Case
7- 9 in., 250 bulbs per case	\$20.00	\$40.00
8- 9 in., 200 bulbs per case	22.50	37.50
9-10 in., 140 bulbs per case	32.00	35.00
10-11 in., 100 bulbs per case	35.00	35.00

ERABU

White Trumpet
Immediate Delivery

	F.O.B. Chicago Per 100	Per Case
8-10 in., 225 bulbs per case	\$22.50	\$42.50
9-10 in., 200 bulbs per case	26.00	42.50

GIGANTEUM

White Trumpet
November to June Delivery

	Per 100	Per Case
7- 9 in., 300 bulbs per case	\$20.00	\$48.00

West Coast Bulbs

CROFTS

November to May

	Case Lots Only
Size 7- 8 in.	250 bulbs per case
Size 8- 9 in.	200 bulbs per case
Size 9-10 in.	150 bulbs per case
Prices on Request.	

ESTATE

December to May Delivery

Taller, later and freer flowering than Croft. Prefer for cutting. F.O.B. Chicago.	
Size 7-8 in.	250 bulbs per case
Size 8-9 in.	200 bulbs per case
Prices on Request.	



West Coast Glad Bulbs

Our bulbs are hand dug, hand cleaned and graded, and are not mutilated or bruised by machinery. This costs us more, but it is your insurance of quality stock. Our stock is guaranteed true to name, and free from disease and thrip. Full size and count, hand graded and selected. Sold under usual disclaimer. The following are the very finest varieties for commercial growing.

PINK and SALMON

	No. 1		No. 2	
	1 1/2 in. up		1 1/4-1 1/2 in.	
	Per 100	Per 1000	Per 100	Per 1000
Chamouny. Cerise-rose, silver edge	\$4.00	\$35.00	\$3.50	\$28.00
Daisy Mae. Orange-pink, cherry throat	4.00	35.00	3.50	28.00
Ethel Cave Cole. Light pink	4.00	35.00	3.50	28.00
Lipstick. Rosy pink	4.00	35.00	3.50	28.00
Miss Wisconsin. Clear rose-pink	4.00	35.00	3.50	28.00
Phantom Beauty. Light pink	4.00	35.00	3.50	28.00
Picardy. Shrimp-pink	4.00	35.00	3.50	28.00
Spic and Span. Ruffled deep pink, salmon shading	4.50	38.00	3.75	32.00
Tivoli. Soft rose-pink, lighter throat	4.50	38.00	3.75	32.00

LAVENDER and BLUE

Abu Hassan. Dark violet-blue	5.00	45.00	4.50	38.00
Blue Beauty. Medium blue	4.00	35.00	3.50	28.00
Elizabeth the Queen. Ruffled lavender	4.00	35.00	3.50	28.00
King Lear. Ruffled purple	4.00	35.00	3.50	28.00
Ravel. Violet, reddish brown throat	4.50	38.00	3.75	32.00

WHITE, CREAM and YELLOW

Golden Arrow. Light yellow	5.00	45.00	4.50	38.00
Leading Lady. Cream-white sport of Picardy	4.00	35.00	3.50	28.00
Margaret Beaton. White, cherry throat	4.00	35.00	3.50	28.00
Pactolus. Ruffled buff with red blotch	5.00	45.00	4.50	38.00
Snow Princess. Milky white; light creamy blotch	4.00	35.00	3.50	28.00
Spotlight. Deep yellow with small scarlet blotch	4.50	38.00	3.75	32.00
Sunspot. Light apricot-buff	5.00	45.00	4.50	38.00
Yellow Emperor. Rich yellow	4.50	38.00	3.75	32.00

RED

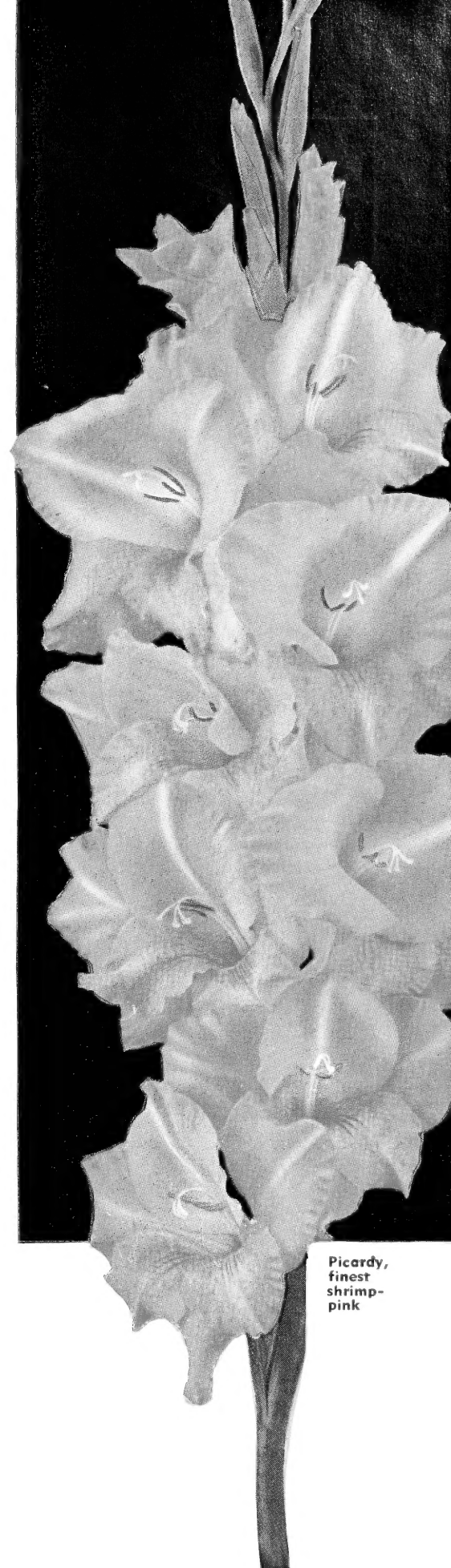
Beacon. Salmon-scarlet, cream throat	4.00	35.00	3.50	28.00
Burma. Deep rose-red, ruffled	4.00	35.00	3.50	28.00
Nancy. Bright scarlet-red; extra fine	4.50	38.00	3.75	32.00
Red Cherry. Red scarlet	5.00	45.00	4.50	38.00
Valeria. Light red	4.00	35.00	3.50	28.00

MIXTURE

Florists' Mixed. Well balanced	4.00	35.00	3.50	28.00
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Prices are f.o.b. shipping point, and are subject to change without notice. Minimum order 500 bulbs; 100 of a variety. 250 or more of any one variety at 1000 rate. Cash with order, or 25% deposit will hold bulbs until shipment is wanted, providing it does not exceed May 1st, unless other provisions are made. Field and storage are State inspected. All bulbs offered are subject to prior sale, so, if out of any variety, we will substitute with one equally good or better unless instructed otherwise. All shipments will be made by express collect.

Prices subject to change without notice.



Picardy,
finest
shrimp-
pink



CALADIUMS

Candidum. Leaf snow-white with green veins and network, narrow green border.

Crimson Wave. Deep green leaf with crinkled, transparent crimson or scarlet center, crimson spots toward edge.

Mrs. F. Sander. Dark green leaf heavily blotched, transparent deep rose.

Mrs. W. B. Haldeman. Bright pink with narrow green edge.

Exposition. Bright red, dark green edge.

Reconcavo. Delicate rose center with carmine ribs.

Lord Derby. Transparent rose with dark green ribs and narrow green edge.

Thos. Tomlinson. Bright crimson center and blotches, narrow green edge.

Caladium Prices

Named and Mixed Varieties

Size	Per 100	Per 1000
1-1½ in. diameter. No. 2	\$15.00	\$120.00
1½-2½ in. diameter. No. 1	25.00	200.00
2½-3½ in. diameter. Jumbo	35.00	300.00
3½ in. up. Mammoth	45.00	400.00

All Caladium tubers shipped f.o.b. Florida. Minimum order 50 bulbs.

CANNAS

Quality 3- to 5-eye divisions for delivery January through spring 1953.

The President. This variety is extremely popular. Double flowering, rich red clusters 7 to 10 inches in diameter, 8 to 10 inches long. Heavy green foliage. Dwarf, 2½-3½ ft. high.

Red King Humbert. A remarkable Canna, a favorite for years. Large scarlet-red flowers 6 to 7 inches in diameter. Bronze foliage. Broad, tropical leaves. 3½ to 4 ft. high.

Yellow King Humbert. An old favorite, considered one of the best yellow Cannas. Flowers are yellow, blotched with red. Petals are large, measuring from 4 to 5 inches in diameter. Foliage is a light green. Medium height, 3 to 4 ft.

City of Portland. Fine pink flowers that hold their color through hot, dry periods. Clusters measure 4 to 5 inches in diameter. Attractive deep green foliage. 3½ ft. high.

\$6.00 per 100, \$55.00 per 1000. 250 at 1000 rate.

Minimum order 100, 50 of a variety. Shipping boxes hold 200 divisions.

GLOXINIAS

AMERICAN GROWN

Delivery January and February
F.O.B. California or West Chicago

BELGIAN GROWN

Delivery December-January
F.O.B. West Chicago

Emperor Frederic. Scarlet bordered white.

Emperor William. Violet bordered white.

Etoile de Feu. Scarlet.

King of the Reds. Red.

Blanche de Meru. Rose with white throat.

Princess Elizabeth. Blue with white throat.

Violacia. Soft violet.

Prince Albert. Dark violet.

Queen Wilhelmina. Pink.

Mont Blanc. White.

Tigrinia. Spotted and netted.

Mixture of all above colors.

AMERICAN		PRICES	BELGIAN	
Per 100	Per 1000	Size	Per 100	Per 1000
\$17.00	\$150.00	1¼-1½ in.	\$10.00	\$ 80.00
25.00	225.00	1½-2 in.	17.50	155.00
32.00	300.00	2 in. up	25.00	225.00

Minimum order 50 Bulbs

BEGONIAS

DOUBLE CAMELLIA FLOWERED

AMERICAN GROWN

Delivery January and February
F.O.B. California or West Chicago

Light Salmon

Red Salmon

Flame Orange

Dark Salmon

Cardinal Red

Dark Red

Scarlet

White

Blush

Pink

Yellow

Apricot

Orange

Rose

Mixed

BELGIAN GROWN

Delivery December-January
F.O.B. West Chicago

Scarlet

Crimson

Yellow

White

Copper

Rose

Salmon

Orange

Mixed

PRICES:

Per 100	Per 1000	Size	Per 100	Per 1000
\$ 9.50	\$ 85.00	1¼-1½ in.	\$ 7.50	\$ 60.00
14.50	135.00	1½-2 in.	12.50	100.00
19.00	180.00	2 in. up	17.50	150.00

Minimum order 50 Bulbs



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CATALOG No. 66—SPRING 1953—BUSINESS TERMS

DISCOUNTS ON SEED ORDERS (Except Lawn Grass). Cash or C.O.D. Discount! When cash is enclosed, or on C.O.D.'s: under \$5.00 net: \$5.00 to \$25.00, 5%; \$25.00 and over, 8%. **Bulbs, 2%.**

On Charge Seed Orders! If paid within 10 days from date of invoice: under \$5.00, net; \$5.00 to \$50.00, 2%; \$50.00 to \$100.00, 5%; \$100.00 and over, 8%. **Bulbs, 2% 10 days.**

NO CASH DISCOUNT on Lawn Grass, Plants, Plant Band Material, and other Supplies. These items **cannot** be sent C.O.D. If this is your first order, it should be signed with some **individual's name** in writing. Payment should accompany all orders unless credit has been established. C.O.D. shipments 50% in advance.

All Prices in this catalog subject to change without notice.

All Seed Orders sent prepaid in U. S. and Canada at catalog prices.

IMPORTANT. Make all checks or money orders payable to **Geo. J. Ball, Inc., WEST Chicago, Illinois.** Not responsible for currency sent in the mail.

Business Hours (holidays excepted) are 8 to 12 and 1 to 5 Monday through Friday: 9 to 12 Saturday. Our phone number is West Chicago 299.

OUR BUSINESS IS WITH FLORISTS ONLY. WE DO NOT SELL AT RETAIL.

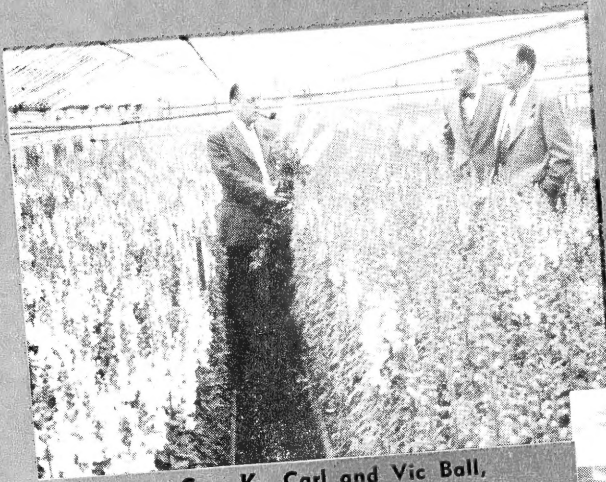
Shortages. All items are offered subject to crop failures or shortages.

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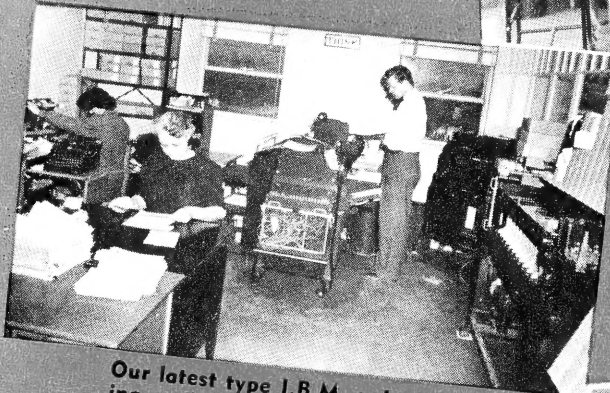
Prompt service, top quality strains, fresh viable seeds, and other similar policies laid down and practiced by the founder of our firm, the late George J. Ball, are being conscientiously carried forward by sons . . .



. . . Geo. K., Carl and Vic Ball, shown here inspecting a strain of Snowman Snapdragon being tested in our West Chicago plant . . .



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